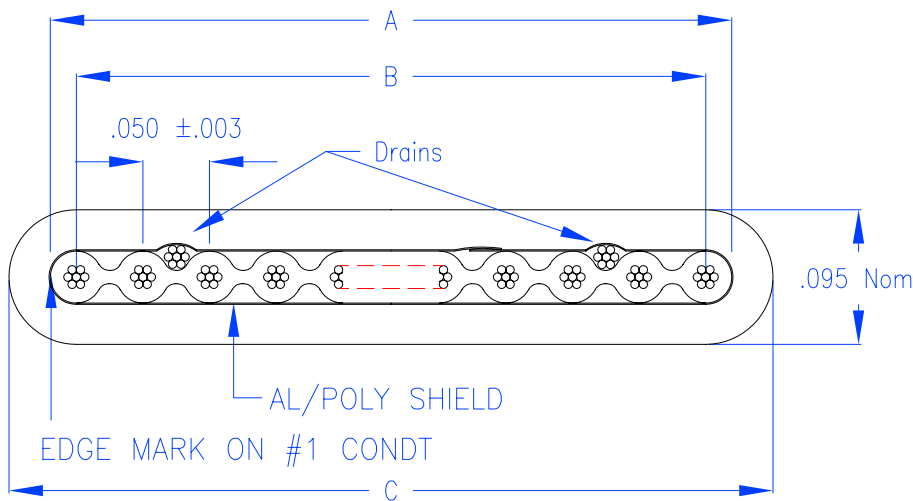


Amphenol 安费诺 151-2831-010 PDF

Amphenol

深圳创唯电子有限公司

<http://www.amphenol-connect.com>



All Dimensions in Inches Unless Otherwise Noted

PHYSICAL

Conductors: 28 AWG 7/36 Tinned Copper
 Insulation: .010" Gray PVC
 Shield: .001" Aluminum/Polyester
 Drain: Two 28 AWG 7/36 Tinned Copper
 Temperature Rating: 105°C
 Jacket: .030" Nom Black PVC

ELECTRICAL

Impedance: 70 ohms¹ 50 ohms²
 Capacitance: 40 pF/ft¹ 50pF/ft² @ 1 MHz
 Propagation Delay: 1.6 ns/ft
 Voltage Rating: 300 V
 Current Rating: 1 A at 10°C Rise Above Ambient
 Insul. Resistance: 10¹⁰ ohms – 10 ft MIN.

Part Number	Count	A Span, Inches(mm)	B Span, Inches(mm)	C Span
151-2831-009	9	.450(11,43) Nom	.400±0.007(10,16±0,18)	.510
151-2831-010	10	.500(12,7) Nom	.450±0.007(11,43±0,18)	.560
151-2831-014	14	.700(17,78) Nom	.650 ±0.007(16,51±0,18)	.760
151-2831-016	16	.800(20,32) Nom	.750 ±0.011(20,32±0,28)	.860
151-2831-020	20	1.000(25,40) Nom	.950 ±0.011(24,13±0,28)	1.060
151-2831-024	24	1.200(30,48) Nom	1.150 ±0.011(29,21±0,28)	1.260
151-2831-025	25	1.250(31,79) Nom	1.200 ±0.011(30,48±0,28)	1.310
151-2831-026	26	1.300(33,02) Nom	1.250 ±0.011(31,75±0,28)	1.360
151-2831-034	34	1.700(43,18) Nom	1.650 ±0.011(41,90±0,28)	1.760
151-2831-036	36	1.800(45,72) Nom	1.750 ±0.015(44,45±0,38)	1.860
151-2831-037	37	1.850(46,99) Nom	1.800 ±0.015(45,72±0,38)	1.910
151-2831-040	40	2.000(50,80) Nom	1.950 ±0.015(49,53±0,38)	2.060
151-2831-050	50	2.500(63,50) Nom	2.450 ±0.015(62,23±0,38)	2.560
151-2831-060	60	3.000(76,20) Nom	2.950 ±0.015(74,93±0,38)	3.060
151-2831-064	64	3.200(81,28) Nom	3.150 ±0.015(80,01±0,38)	3.260

¹Above values measured Ground-Signal-Ground
²Above values measured Ground-Signal-Ground with Shield also Grounded

Approvals: UL CL2 105°C
 CSA AWM FT-1

DRAWN	PROD ENG	QA	MKT	P/ECN#	DRAWING NO. 151-2831-0XX	AMPHENOL SPECTRA-STRIP 720 SHERMAN AVE TEL (203) 281-3200 HAMDEN CT 06514 FAX (203) 281-5872	Rev H
FITTS 8/30/99	3/7/07			1094	TITLE: Jacketed, Shielded Planar Cable		Sheet
					with Zip Inner		1 of 1

Jacketed Zip planar cable — 151 series



description

Spectra-Strip Zip extruded jacketed cables combine the ease of termination, consistent electrical characteristics and reduced space requirements of flat cable with the ruggedness of an extruded protective outer jacket — Spectra-Guard®.

It is available with or without integral EMI/RFI shielding. Spectra-Guard provides excellent abrasion resistance, extremely low crosstalk (see test data), consistent electrical characteristics, and high flexibility, making it ideal for high-speed data processing equipment and high frequency communications systems.

Basic component cable consists of 28 (7X36) uninsulated conductors on .050" centers with an extruded PVC insulation. Both the jacket and cable are made of flame-retardant PVC and are UL listed to 105°C (221°F) and 150 volts. Terminates to standard connectors.

We can also provide fully-tested terminated assemblies. For more information, please consult the factory.

benefits

- Rugged, flexible protection
- Excellent crosstalk and electrical performance
- Available with or without EMI/RFI shielding
- Terminates to standard IDC connectors
- UL CL2 and CSA

characteristics

Physical

Conductors: 28 AWG, 7/36 strands, tinned copper
 Conductors insulation: Gray PVC, flame retardant
 Conductor spacing: .050" (1,27) typical
 Shielding (if applicable): Aluminum/poly or expanded copper mesh
 Drain wires (if applicable): 28 AWG, 7/36 strand, tinned copper
 Jacket: Black PVC, 30 mil avg.
 Consult factory for other available thicknesses

Electrical

Voltage rating: 150 V
 Temperature rating: 105°C, (221°F),
 UL Listed Power Limited
 Circuit Cable CL2
 CSA: CSA AWM I/II A105°C (221°F),
 300 V, FT-1

151 series capabilities

- 843-151-2811-XXX Zip cable, jacketed with no shield, no drain wires
 843-151-2831-XXX Zip cable, jacketed, shielded with aluminum poly, two drain wires
 843-151-2821-XXX Zip cable, jacketed, shielded with expanded copper mesh

Part Number	Wire Gauge Strand	Description	Temp. Rating	Voltage Rating	Impedance Ohms*	1MHz Capacitance pf/ft (pf/m)*	Propagation Delay ns/ft (ns/m)	Insulation Resistance ohms	UL Style
843-151-2811-XXX	28(7/36)	Extruded PVC jacket	105°C 105°C	150V 300V	90	30 (89)	1.6 (5,6)	10 ¹⁰ – 10 ft.	2912 20081
843-151-2831-XXX	28(7/36)	Aluminum/poly shield 2 drain wires with extruded PVC jacket	105°C 105°C	150V 300V	50	40 (131)	1.6 (5,2)	10 ¹⁰ – 10 ft.	2912 20081

*Shield floating (GSG)

*G-S-G/Shield Grounded

Jacketed Zip planar cable — 151 series

order information

Part No. & Description	Part No. & Description	No. of Conductors	Dimension "A"	Dimension "B"	Dimension "C"
Extruded PVC Jacket	Aluminum/Poly Shield with Extruded PVC Jacket (2 drain wires)				
843-151-2811-009	843-151-2831-009	9	.450(11,43)	.400±.007(10,16±0,18)	.510
843-151-2811-010	843-151-2831-010	10	.500(12,70)	.450±.007(11,43±0,18)	.560
843-151-2811-014	843-151-2831-014	14	.700(17,78)	.650±.007(16,51±0,18)	.760
843-151-2811-015	843-151-2831-015	15	.750(19,09)	.700±.011(17,78±0,28)	.810
843-151-2811-016	843-151-2831-016	16	.800(20,32)	.750±.011(20,32±0,28)	.860
843-151-2811-020	843-151-2831-020	20	1.000(25,40)	.950 ± .011(24,13 ±0,28)	1.060
843-151-2811-024	843-151-2831-024	24	1.200(30,48)	1.150±.011(29,21±0,28)	1.260
843-151-2811-025	843-151-2831-025	25	1.250(31,79)	1.200±.011(30,48±0,28)	1.310
843-151-2811-026	843-151-2831-026	26	1.300(33,02)	1.250±.011(31,75±0,28)	1.360
843-151-2811-034	843-151-2831-034	34	1.700(43,18)	1.650±.011(41,90±0,28)	1.760
843-151-2811-036	843-151-2831-036	36	1.800(45,72)	1.750±.015(44,45±0,38)	1.860
843-151-2811-037	843-151-2831-037	37	1.850(46,99)	1.800±.015(45,72±0,38)	1.910
843-151-2811-040	843-151-2831-040	40	2.000(50,80)	1.950±.015(49,53±0,38)	2.060
843-151-2811-050	843-151-2831-050	50	2.500(63,50)	2.450±.015(62,23±0,38)	2.560
843-151-2811-060	843-151-2831-060	60	2.000(76,20)	2.950±.015(74,93±0,38)	3.060
843-151-2811-064	843-151-2831-064	64	3.200(81,28)	3.150±.015(80,01±0,38)	3.260

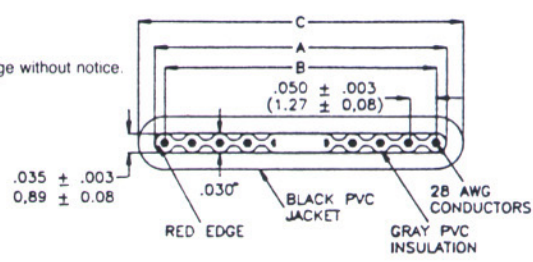
typical crosstalk characteristics

(10-foot sample, 2-lines driven)

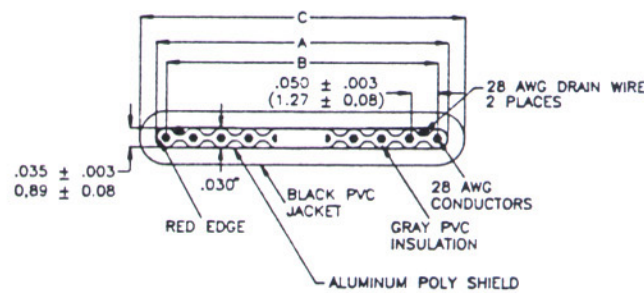
Part Number	Rise Time (ns)	NE %	FE %
843-151-2811 Series	3.0	4.4	1.2
	5.0	4.3	.8
	7.0	4.3	.6
843-151-2831 Series	3.0	.3	.7
	5.0	.2	.5
	7.0	.2	.4

Dimensions and characteristics subject to change without notice.

843-151-2811 SERIES UNSHIELDED



843-151-2831 SERIES SHIELDED





Cables Selection Guide

View our extensive range of cables
and accessories

May 2017



uk.rs-online.com (UK)



www.rs-online.com (International)

INTRODUCTION

As industry experts we offer an extensive selection of Cable for every application and environment. Products from our RS Pro range bring you high quality, professionally approved RS brand products, while our wide choice from selected market leading brands is second to none.

This means you can find all the products you need from one source, with next day delivery, competitive pricing and bulk discounts.

In this guide you can see Cables listed by type, with associated technical attributes and information about where they are best installed.



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APPROVALS AND STANDARDS



BASEC: The British Approvals Service for Cables is an independent testing and approvals body for cable and wire. BASEC certification ensures a product meets its claimed national and international standards.



UL: A UL Listed cable or wire indicates that product samples have passed safety requirements set by the safety and certification company, Underwriters Laboratories. UL is an internationally recognised standard.

DEF STAN: A cable marked as meeting a Defence Standard (DEF STAN) will be of a high grade and high specification for use by the MoD, specifically for aircraft and military applications.

Mil Spec: A cable or wire which complies with Mil Spec (Military Specification) means it is approved for United States military use. Mil Spec can also apply to products other than cables, such as connectors.

RoHS: The Restriction of Hazardous Substances Directive specifies maximum limits of certain hazardous substances in electrical and electronic products. Cable and wire is included in this.



REACH: REACH is an acronym of Registration, Evaluation, Authorisation and Restriction of Chemicals. As a European regulation designed to protect human health from the risks posed by chemicals, REACH is applicable to cables and wires by the production and use of chemicals in the sheath and other parts.

CABLE SHEATH TYPES

A summary of commonly found sheath types in the RS range:

PVC	<p>Polyvinyl Chloride</p> <ul style="list-style-type: none"> • Excellent insulating properties • Stable, robust, very durable • Cost effective choice
Rubber	<ul style="list-style-type: none"> • Ideal for outdoor and wet environments • Withstands rough treatment • Abrasion proof
PTFE	Polytetrafluoroethylene
ETFE	<p>Ethylene Tetrafluoroethylene (also known as TEFZEL)</p> <ul style="list-style-type: none"> • Used in high temperature applications • Unaffected by most oils or fuels • Certain types suitable for temperatures to 400°C
LSZH	<p>Low Smoke Zero Halogen</p> <ul style="list-style-type: none"> • Preferred type for populated or enclosed areas • Used in trains, aircraft and shipping applications • Suitable in areas of poor ventilation
PE	<p>Polyethylene</p> <ul style="list-style-type: none"> • Used extensively in communication cabling • Excellent UV resistance • Available in high and low density forms (HDPE/LDPE)
XLPE	<p>Cross linked polyethylene</p> <ul style="list-style-type: none"> • Widely used for power cables • Improved insulating properties over PVC • Higher current rating than PVC
EPR	<p>Ethylene propylene rubber</p> <ul style="list-style-type: none"> • Offers good weathering stability • Heat resistant to 160°C • Durable and long lasting
PET	<p>Polyethylene terephthalate</p> <ul style="list-style-type: none"> • Moisture resistant and tough • Good chemical resistance • Excellent mechanical, electrical and thermal properties
FEP	<p>Fluorinated ethylene propylene</p> <ul style="list-style-type: none"> • Good weather resistance • Low flammability • Good temperature stability

EUROCLASS - AN EXPLANATION

CPR - The Construction Products Regulation

From 1st July 2017 the CPR will cover all construction cables to be used in fixed installations, sold in the E.U.

Effectuated products are tested, given a Euroclass rating in accordance with its 'Reaction to fire', a declaration of performance is issued (DOP) and a new CE mark is given on the packaging.

Note: Fire resistant cables are excluded from CPR until the product standard for 'Resistance to Fire' is issued.



HARMONISED REFERENCES

The Harmonised reference system, commonly known as HAR, indicates products which conform to a European Harmonisation Standard as set out by CENELEC, the leading European standardisation organisation. CENELEC is technologically neutral and aims to improve standards and quality across Europe, allowing the trade of common standard product.

HAR cables have a designation code system conforming to the norms set out in harmonisation documents HD 361 and DIN VDE 0292.

WIRE SIZING - AWG AND CSA

AWG - American Wire Gauge. A widely accepted measure of cross sectional area of a wire denoted as a simple number.

CSA - The surface Cross-Sectional Area of a conductor in mm².

Both units of measure are used in determining wire thickness and it is useful to remember that as AWG increases, the wire becomes thinner and the CSA decreases.

An approximate conversion between AWG and CSA is shown opposite for selected sizes.

The complete AWG range for wire contains over 40 sizes with respective cross sectional areas and current carrying capacities.

AWG	CSA (mm ²)
0	53.5
5	16.76
7	10.55
10	5.26
12	3.31
15	1.65
18	0.82
20	0.52
25	0.16

Cables, glands & connectors from a leading global manufacturer

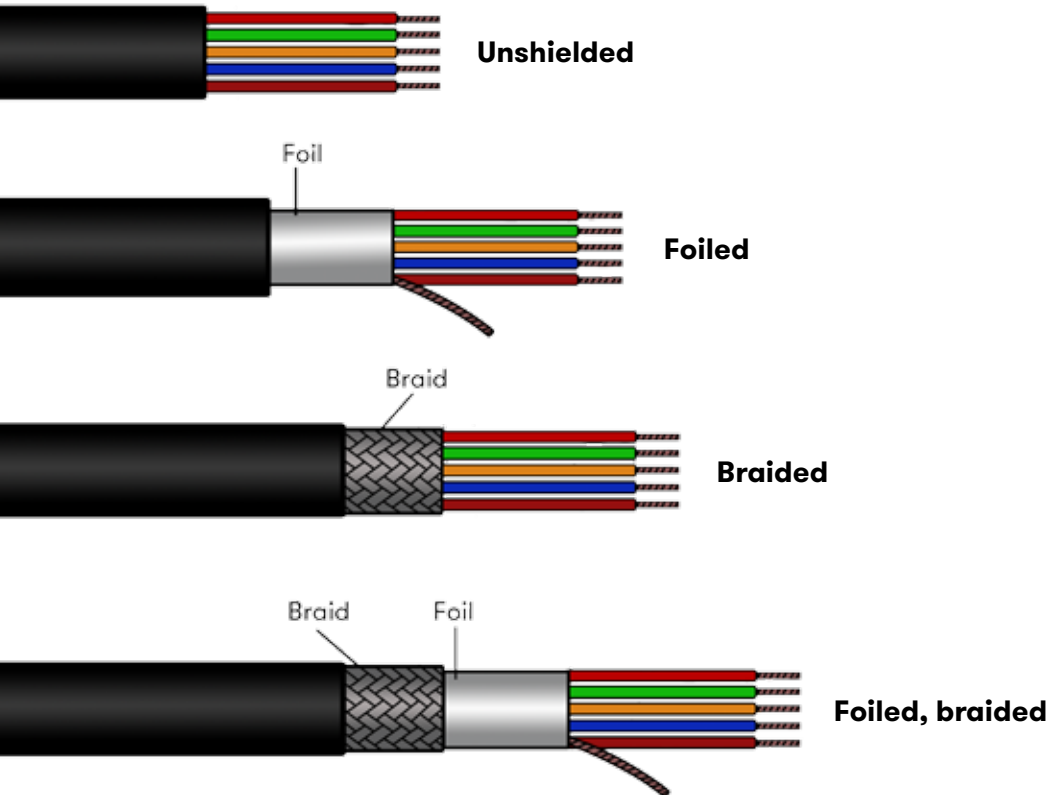


ELECTRICAL SCREENING

Cable screening is important in many wiring applications. Screening protects a conductor from external interference or EMI, prevents radiation from the cable itself and helps minimise cross-talk between conductors.

Various degrees of screening are used according to the cable type and application. From unshielded power or control cable used in areas not prone to interference, e.g. within a metal control cabinet, to foil or braid shielded cable for areas of high EMI or electrical interference.

Types of screening



Twisted pair (TP) screening

UTP
Unshielded



FTP
Foiled



STP
Shielded, unfoiled



SF/TP
Shielded, foiled



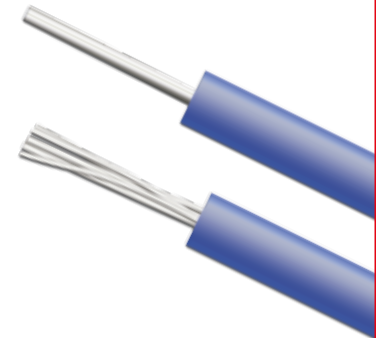
CONDUCTOR TYPES

Solid core wire

Solid core wire consists of one single core, usually copper, forming a conductor and insulated. It has a higher resistance to flexing than stranded wire so is best suited to permanent and semi-permanent wiring. Solid core cable costs less to manufacture than stranded core and has higher electrical resistance.

Stranded core wire

For a given gauge, stranded wire withstands flexing more than its solid core equivalent. Stranded wire is best suited where frequent flexing or vibration is more likely to occur, e.g. automotive applications, signal wiring in electrical and electronic devices, flexible power cables etc. With a higher attenuation than solid core it is not best suited to long cable runs.



British Standard

PVC insulated cables to BS4808 are designed for the internal cabling of electrical and electronic equipment. Used also for wiring within instrumentation and control panels, they meet the requirements DEF STAN 61-12 Part 6 and are flame resistant to UL1581 VW-1 and IEC60332-1.

BS EN13062 compliant wire is of a tinned annealed copper construction suited for use as rewireable fuse links, shorting links etc. It is manufactured to BS4109.



Brand	RS Stock Number	AWG	Sheath Material	Rating	Min Temp (°C)	Max Temp (°C)	Standards	Sheath Colour	Reel Length (m)
	748-2112	20	PVC	1000V	-15	85	BS4808	Black	100
	748-2137	20	PVC	1000V	-15	85	BS4808	Red	100
	748-2115	20	PVC	1000V	-15	85	BS4808	Blue	100
	748-2140	20	PVC	1000V	-15	85	BS4808	White	100
	748-2147	20	PVC	1000V	-15	85	BS4808	Black	100
	748-2248	18	PVC	1000V	-15	85	BS4808	Black	100
	712-5327	24	PVC	1000V	-15	85	BS4808	Black	100
	748-2036	17	PVC	1000V	-15	85	BS4808	Black	100
	748-2178	20	PVC	1000V	-15	85	BS4808	Red	100
	748-2143	20	PVC	1000V	-15	85	BS4808	Yellow	100
	748-2052	17	PVC	1000V	-15	85	BS4808	Red	100
	748-2279	18	PVC	1000V	-15	85	BS4808	Red	100
	712-5358	24	PVC	1000V	-15	85	BS4808	Red	100
	748-2128	20	PVC	1000V	-15	85	BS4808	Green	100
	712-5317	23	PVC	1000V	-15	85	BS4808	Red	100
	748-2119	20	PVC	1000V	-15	85	BS4808	Brown	100
	748-2156	20	PVC	1000V	-15	85	BS4808	Blue	100
	748-2121	20	PVC	1000V	-15	85	BS4808	Grey	100
	712-5367	24	PVC	1000V	-15	85	BS4808	Black	100
	748-2257	18	PVC	1000V	-15	85	BS4808	Blue	100
	748-2175	20	PVC	1000V	-15	85	BS4808	White	100
	748-2030	17	PVC	1000V	-15	85	BS4808	Blue	100
	748-2125	20	PVC	1000V	-15	85	BS4808	Orange	100
	390-527	29	None	10A	-	-	BSEN 13602:2002 C101.0	-	234
	355-057	25	None	15A	-	-	BSEN 13602:2002 C101.0	-	114
	355-063	14	None	100A	-	-	BSEN 13602:2002 C101.0	-	71
	355-079	23	None	17A	-	-	BSEN 13602:2002 C101.0	-	91.3
	355-085	21	None	25A	-	-	BSEN 13602:2002 C101.0	-	50.9
	390-549	19	None	33A	-	-	BSEN 13602:2002 C101.0	-	34.6
	390-555	18	None	45A	-	-	BSEN 13602:2002 C101.0	-	20.2



DEF STAN

Cables designed to meet the requirements of DEF STAN 61-12 Part 29/1 are used typically in high demand applications found in military, avionic, aerospace, nuclear and medical environments.

Our range includes RS Pro with ETFE insulation, ideally suited to high temperature applications and resistant to oils. TE type 44[®] has a dual-wall insulation, is easy to install and offers consistent reliability. A key feature of our TE type 55[®] range is its blue core which acts as a damage indicator. TE type 99[®], again with dual wall construction, meets the stringent performance demands of naval and mass transit applications and industrial control panel wiring.



Brand	RS Stock Number	AWG	Sheath Material	Voltage Rating (V)	Min Temp (°C)	Max Temp (°C)	Sheath Colour	Wire Style	Reel Length (m)
	885-0825	12	ETFE	600	-75	150	Black	Def Stan 61-12 Part 29/1	100
	885-0862	12	ETFE	600	-75	150	White	Def Stan 61-12 Part 29/1	100
	885-0834	20	ETFE	600	-75	150	Black	Def Stan 61-12 Part 29/1	100
	329-9433	20	ETFE	600	-65	150	White	Type 55	100
	329-9360	20	ETFE	600	-65	150	White	Type 55	100
	329-9461	22	ETFE	600	-65	150	Black	Type 55	100
	329-9455	22	ETFE	600	-65	150	White	Type 55	100
	329-9584	22	ETFE	600	-65	150	White	Type 55	100
	329-9483	24	ETFE	600	-65	150	Black	Type 55	100
	329-9477	24	ETFE	600	-65	150	White	Type 55	100
	398-0993	20	PET	600	-55	125	Black	Type 99	100
	398-0965	20	PET	600	-55	125	Red	Type 99	100
	398-0959	20	PET	600	-55	125	White	Type 99	100
	398-0937	22	PET	600	-55	125	Black	Type 99	100
	398-0943	22	PET	600	-55	125	Pink	Type 99	100
	398-0909	22	PET	600	-55	125	White	Type 99	100
	229-1450	20	Polyalkene	600	-65	150	Black	Type 44	100
	362-392	20	Polyalkene	600	-65	150	Black	Type 44	300
	869-7312	20	Polyalkene	600	-65	150	Black/White	Type 44	100
	329-9629	20	Polyalkene	600	-65	150	Red	Type 44	100
	229-1466	20	Polyalkene	600	-65	150	White	Type 44	100
	229-1422	22	Polyalkene	600	-65	150	Black	Type 44	100
	329-9556	22	Polyalkene	600	-65	150	Blue	Type 44	100
	329-9641	22	Polyalkene	600	-65	150	Red	Type 44	100
	229-1438	22	Polyalkene	600	-65	150	White	Type 44	100
	244-0882	22	Polyalkene	600	-65	150	White	Type 44	300
	229-1400	24	Polyalkene	600	-65	150	Black	Type 44	100
	329-9613	24	Polyalkene	600	-65	150	Red	Type 44	100

Harmonised

Compliant to European Harmonised Standards H05V-K and H07V-K, harmonised cables are colour-coded PVC sheathed cables with a single stranded untinned copper core.

Harmonised cable is widely used in lighting, wiring installation work within control and distribution panels, in conduits, channels, and buried in walls and plaster. First introduced in 2004, the harmonised colour code clearly differentiates between conductors in single and three phase circuits.



Brand	RS Stock Number	CSA (mm ²)	Sheath Material	Voltage Rating (V)	Min Temp (°C)	Max Temp (°C)	Sheath Colour	Wire Style	Reel Length (m)
	361-608	0.5	PVC	500	-15	70	Green/Yellow	H05VK	100
	361-670	0.75	PVC	500	-15	70	Green/Yellow	H05VK	100
	361-743	1	PVC	500	-15	70	Green/Yellow	H05VK	100
	361-816	1.5	PVC	750	-15	70	Green/Yellow	H07VK	100
	544-1793	2.5	PVC	750	-15	70	Green/Yellow	H07VK	100
	536-180	6	PVC	750	-15	70	Black	H07VK	100
	536-186	6	PVC	750	-15	70	Blue	H07VK	100
	535-997	6	PVC	750	-15	70	Green/Yellow	H07VK	100
	536-051	6	PVC	750	-15	70	Red	H07VK	100
	535-981	10	PVC	750	-15	70	Black	H07VK	100
	536-269	16	PVC	750	-15	70	Green/Yellow	H07VK	100
	721-0639	1.5	LSZH	750	-15	90	Black	H07ZK	100
	721-0645	1.5	LSZH	750	-15	90	Red	H07ZK	100
	721-0655	2.5	LSZH	750	-15	90	Green/Yellow	H07ZK	100
	724-4314	0.5	PVC	500	-30	80	Black	H05VK	100
	724-4327	0.5	PVC	500	-30	80	Blue	H05VK	100
	724-4311	0.5	PVC	500	-30	80	Blue	H05VK	100
	724-4305	0.5	PVC	500	-30	80	Red	H05VK	100
	724-4339	0.75	PVC	500	-30	80	Black	H05VK	100
	724-4351	0.75	PVC	500	-30	80	Blue	H05VK	100
	724-4345	0.75	PVC	500	-30	80	Red	H05VK	100
	724-4364	1	PVC	500	-30	80	Black	H05VK	100
	724-4367	1	PVC	500	-30	80	Blue	H05VK	100
	724-4361	1	PVC	500	-30	80	Red	H05VK	100
	724-4383	1.5	PVC	750	-30	80	Black	H07VK	100
	724-4389	1.5	PVC	750	-30	80	Green/Yellow	H07VK	100
	724-4399	1.5	PVC	750	-30	80	Red	H07VK	100
	724-4418	2.5	PVC	750	-30	80	Black	H07VK	100
	724-4415	2.5	PVC	750	-30	80	Green/Yellow	H07VK	100
	812-4570	16	PVC	750	-30	80	Green/Yellow	H07VK	100

MIL SPEC

Cables designed to Military Specification and compliant to MIL-W-81822/13 are single cored with either a PVC or PTFE insulation. Especially designed for harsh environments, they are used in the aerospace and similar industries where a high degree of tolerance to chemicals and radiation may be required. They can be used in high temperature and high frequency applications.

Mil Spec cable lends itself to both soldered and wire wrap work and should be used when challenging conditions demand strong durability.



Brand	RS Stock Number	AWG	Sheath Material	Voltage Rating (V)	Min Temp (°C)	Max Temp (°C)	Sheath Colour	Wire Style	Reel Length (m)
	801-5072	24	ETFE	300	-65	160	Black	MIL-W-81822/13	50
	801-5075	24	ETFE	300	-65	160	Red	MIL-W-81822/13	50
	801-5063	24	ETFE	300	-65	160	White	MIL-W-81822/13	50
	877-5519	24	PTFE	250	0	200	White	MIL-W-16878	100
	877-5412	28	PTFE	600	-55	200	Black	MIL-W-16878	100
	877-5428	28	PTFE	600	-55	200	Red	MIL-W-16878	100
	877-5487	28	PTFE	250	0	200	White	MIL-W-16878	100
	842-5909	14	PVC	1000	-40	80	Black	MIL-W-76	30
	842-5927	14	PVC	1000	-40	80	Red	MIL-W-76	30
	842-5826	20	PVC	1000	-40	80	Red	MIL-W-76	30
	842-5763	22	PVC	1000	-40	80	Red	MIL-W-76	30
	842-6009	26	PVC	600	-55	105	Black	MIL-W-76	30
	878-8256	30	PTFE	250	-60	200	Black	MIL-W-16878	30
	878-8262	30	PTFE	250	-60	200	Green	MIL-W-16878	30
	878-8206	32	PTFE	250	-60	200	Red	MIL-W-16878	30
	878-8187	32	PTFE	250	-60	200	Black	MIL-W-16878	30

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UL Standard

UL Standard cables meet the Underwriters Laboratories (UL) testing classification. They consist of a category of wire and cable that have been independently tested to conform to the specifications for use in many applications including general purpose wiring circuits, control circuits and internal appliance wiring.

UL Standard cables have single stranded cores, are supplied in various single colours, with four sheath constructions. A wide range of cables/wires meet UL standards and it is UL's evaluation of the product that determines its area of use.



Brand	RS Stock Number	AWG	Sheath Material	Voltage Rating (V)	Min Temp (°C)	Max Temp (°C)	Sheath Colour	Wire Style	Reel Length (m)
RS PRO	811-7623	18	PVC	300	0	80	Red	UL1007	100
	811-7591	20	PVC	300	0	80	White	UL1007	100
	811-7597	20	PVC	300	0	80	Black	UL1007	100
	811-7588	22	PVC	300	0	80	White	UL1007	100
	811-7585	22	PVC	300	0	80	Red	UL1007	100
	811-7581	22	PVC	300	0	80	Blue	UL1007	100
	811-7579	22	PVC	300	0	80	Black	UL1007	100
	874-0393	26	PVC	300	0	80	Black	UL1007	100
	874-0371	28	PVC	300	0	80	White	UL1007	100
	874-0361	28	PVC	300	0	80	Black	UL1007	100
	811-7478	18	PVC	600	0	105	Black	UL1015	100
	811-7446	22	PVC	600	0	105	Black	UL1015	100
	872-4631	24	PVC	600	0	105	Orange	UL1015	100
	872-4634	24	PVC	600	0	105	Grey	UL1015	100
	872-4622	24	PVC	600	0	105	Yellow	UL1015	100
	813-3521	18	PTFE	600	-60	200	White	UL1213	100
	813-3530	18	PTFE	600	-60	200	Blue	UL1213	100
	813-3518	22	PTFE	600	-60	200	White	UL1213	100
	813-3495	22	PTFE	600	-60	200	Black	UL1213	100
	813-3476	24	PTFE	600	-60	200	Black	UL1213	100
	813-3470	24	PTFE	600	-60	200	White	UL1213	100
	873-8974	22	XLPE	6000	0	105	Red	UL3239	100
	873-8977	22	XLPE	6000	0	105	Black	UL3239	100
873-8999	22	XLPE	6000	0	105	Yellow	UL3239	100	
873-8930	24	XLPE	6000	0	105	Black	UL3239	100	
873-8942	24	XLPE	6000	0	105	Red	UL3239	100	
AlphaWire	168-3561	16	PVC	300	-40	105	Black	UL1007	304
	168-3577	16	PVC	300	-40	105	Red	UL1007	304
	124-2564	18	PVC	300	-40	105	Black	UL1007	304
	124-2586	18	PVC	300	-40	105	Red	UL1007	304

UL Standard (continued)

Brand	RS Stock Number	AWG	Sheath Material	Voltage Rating (V)	Min Temp (°C)	Max Temp (°C)	Sheath Colour	Wire Style	Reel Length (m)
AlphaWire	124-2558	18	PVC	300	-40	105	White	UL1007	30+
	124-2772	20	PVC	300	-40	105	Black	UL1007	30+
	124-2788	20	PVC	300	-40	105	Red	UL1007	30+
	124-2839	20	PVC	300	-40	105	Blue	UL1007	30+
	124-2766	20	PVC	300	-40	105	White	UL1007	30+
	124-2996	24	PVC	300	-40	105	Black	UL1007	30+
	124-3006	24	PVC	300	-40	105	Red	UL1007	30+
	124-2980	24	PVC	300	-40	105	White	UL1007	30+
	842-5656	10	PVC	600	-40	105	Red	UL1015	30
	121-4295	14	PVC	600	-20	105	Black	UL1015	30
	842-5542	14	PVC	600	-20	105	Black	UL1015	305
	121-4284	16	PVC	600	-20	105	Black	UL1015	30
	842-5460	16	PVC	600	-20	105	Black	UL1015	305
	177-1400	16	PTFE	600	-60	200	Black	UL1213	30
	177-1416	16	PTFE	600	-60	200	Red	UL1213	30
	177-1292	18	PTFE	600	-60	200	Black	UL1213	30
	177-1309	18	PTFE	600	-60	200	Red	UL1213	30
	177-1185	20	PTFE	600	-60	200	Black	UL1213	30
	177-1191	20	PTFE	600	-60	200	Red	UL1213	30
	177-1078	22	PTFE	600	-60	200	Black	UL1213	30
	177-1084	22	PTFE	600	-60	200	Red	UL1213	30
	177-1062	22	PTFE	600	-60	200	White	UL1213	30
	177-0968	24	PTFE	600	-60	200	Black	UL1213	30
	177-0974	24	PTFE	600	-60	200	Red	UL1213	30
	177-0952	24	PTFE	600	-60	200	White	UL1213	30
	741-7913	8	Silicone Rubber	40000	-40	150	White	UL3239	30
	741-7907	10	Silicone Rubber	40000	-40	150	White	UL3239	30
	741-7903	12	Silicone Rubber	40000	-40	150	White	UL3239	30
	741-7896	14	Silicone Rubber	40000	-40	150	White	UL3239	30
	741-7890	14	Silicone Rubber	40000	-40	150	White	UL3239	30
	741-7893	16	Silicone Rubber	40000	-40	150	White	UL3239	30
	741-7878	20	Silicone Rubber	40000	-40	150	White	UL3239	30
	LAPPGROUP	724-4282	13	PVC	600	-40	70	Black	UL1015
724-4291		13	PVC	600	-40	70	Blue	UL1015	100
724-4288		13	PVC	600	-40	70	Green/Yellow	UL1015	100
724-4260		15	PVC	600	-40	70	Black	UL1015	100
724-4279		15	PVC	600	-40	70	Blue	UL1015	100
724-4266		15	PVC	600	-40	70	Green/Yellow	UL1015	100

Tri-Rated

Tri-Rated cable is sought-after globally as the certification allows its use around the world. The triple rating of BS6231 (UK), CSA TEW (Canada) and UL style 1015, 1028 or 1283 (America) makes it acceptable across many markets, for applications including high voltage wiring within electrical cabinets, switchgear wiring, rectifier equipment and motor starter circuitry.

Tri-Rated is a flexible, single stranded cable with a high temperature rating and flame retardant PVC sheath. Various colours are available as recognised under the European Harmonised designation codes H05V2-K and H07V2-K.



Brand	RS Stock Number	AWG	CSA (mm ²)	Core Strands	Outer Diameter (mm)	Insulation Wall Thickness (mm)	Current Rating (A)	Sheath Colour	Reel Length (m)
	815-8687	4	25	196/0.4 mm	10.6	1.6	136	Black	100
	815-8699	4	25	196/0.4 mm	10.6	1.6	136	Brown	100
	628-5465	4	25	196/0.4 mm	10.6	1.6	136	Green/Yellow	100
	628-5421	4	25	196/0.4 mm	10.6	1.6	136	Red	100
	628-5342	6	16	126/0.4 mm	9.2	1.6	100	Black	100
	628-5538	6	16	126/0.4 mm	9.2	1.6	100	Brown	100
	628-5409	6	16	126/0.4 mm	9.2	1.6	100	Green/Yellow	100
	628-5364	6	16	126/0.4 mm	9.2	1.6	100	Mid-blue	100
	628-5370	6	16	126/0.4 mm	9.2	1.6	100	Red	100
	628-5320	8	10	72/0.4 mm	6.8	1.2	75	Black	100
	628-5493	8	10	72/0.4 mm	6.8	1.2	75	Brown	100
	628-5358	8	10	72/0.4 mm	6.8	1.2	75	Green/Yellow	100
	628-5291	8	10	72/0.4 mm	6.8	1.2	75	Mid-blue	100
	628-5314	8	10	72/0.4 mm	6.8	1.2	75	Red	100
	811-1470	10	6	84/0.3mm	5.1	0.8	53	Black	100
	811-1489	10	6	84/0.3mm	5.1	0.8	53	Brown	100
	811-1473	10	6	84/0.3mm	5.1	0.8	53	Green/Yellow	100
	811-1476	10	6	84/0.3mm	5.1	0.8	53	Mid-blue	100
	811-1467	10	6	84/0.3mm	5.1	0.8	53	Red	100
	811-1442	12	4	56/0.3mm	4.3	0.8	41	Black	100
	811-1451	12	4	56/0.3mm	4.3	0.8	41	Brown	100
	811-1445	12	4	56/0.3mm	4.3	0.8	41	Green/Yellow	100
	811-1436	12	4	56/0.3mm	4.3	0.8	41	Mid-blue	100
	811-1448	12	4	56/0.3mm	4.3	0.8	41	Red	100
	803-4250	14	2.5	50/0.25mm	3.7	0.8	30	Black	100
	803-4269	14	2.5	50/0.25mm	3.7	0.8	30	Brown	100
	803-4278	14	2.5	50/0.25mm	3.7	0.8	30	Green/Yellow	100
	803-4256	14	2.5	50/0.25mm	3.7	0.8	30	Mid-blue	100
	803-4262	14	2.5	50/0.25mm	3.7	0.8	30	Red	100
	803-4216	16	1.5	30/0.25mm	3.15	0.8	21	Black	100



Tri-Rated (continued)

Brand	RS Stock Number	AWG	CSA (mm ²)	Core Strands	Outer Diameter (mm)	Insulation Wall Thickness (mm)	Current Rating (A)	Sheath Colour	Reel Length (m)
	803-4225	16	1.5	30/0.25mm	3.15	0.8	21	Brown	100
	803-4247	16	1.5	30/0.25mm	3.15	0.8	21	Green/Yellow	100
	803-4219	16	1.5	30/0.25mm	3.15	0.8	21	Mid-blue	100
	803-4228	16	1.5	30/0.25mm	3.15	0.8	21	Red	100
	803-4177	18	1	32/0.2mm	3	0.8	17	Black	100
	803-4171	18	1	32/0.2mm	3	0.8	17	Brown	100
	803-4174	18	1	32/0.2mm	3	0.8	17	Green/Yellow	100
	803-4196	18	1	32/0.2mm	3	0.8	17	Mid-blue	100
	803-4183	18	1	32/0.2mm	3	0.8	17	Red	100
	803-4130	20	0.75	24/0.2mm	2.8	0.8	14	Black	100
	803-4137	20	0.75	24/0.2mm	2.8	0.8	14	Brown	100
	803-4159	20	0.75	24/0.2mm	2.8	0.8	14	Green/Yellow	100
	803-4133	20	0.75	24/0.2mm	2.8	0.8	14	Mid-blue	100
	803-4149	20	0.75	24/0.2mm	2.8	0.8	14	Red	100
	803-4095	22	0.5	16/0.2mm	2.6	0.8	11	Black	100
	803-4092	22	0.5	16/0.2mm	2.6	0.8	11	Brown	100
	803-4124	22	0.5	16/0.2mm	2.6	0.8	11	Green/Yellow	100
	803-4098	22	0.5	16/0.2mm	2.6	0.8	11	Mid-blue	100
	803-4105	22	0.5	16/0.2mm	2.6	0.8	11	Red	100

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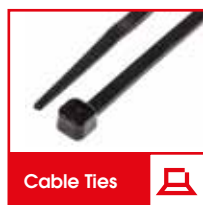
CY

CY cables are screened flexible cables typically used in applications requiring interference-free transmission. They have a multi-core flex, tinned copper wire braid and polyethylene terephthalate separator, which protects it from external electromagnetic influences. CY is suitable for flexible use when temporarily moved without tensile stress, can be used outdoors when protected from UV radiation and in dry or moist conditions indoors, including oil-water mixtures.

Available in 3, 4, 5, and 7-core types with colour-coded individual cores, in accordance with the European Harmonised designation. Belden CY cable is manufactured in accordance with VDE 2050 standard.



Brand	RS Stock Number	CSA (mm ²)	Number of Cores	Core Strands	Outer Diameter (mm)	Current Rating (A)	Min Temp (°C)	Max Temp (°C)	Reel Length (m)
	522-519	0.75	3	24/0.2mm	7.06	6	-20	80	50
	522-529	1	3	32/0.2mm	7.45	10	-20	80	50
	522-575	1.5	3	30/0.25mm	6.8	16	-20	80	50
	777-4972	2.5	3	50/0.25mm	9.67	15	-20	80	50
	522-428	0.75	4	24/0.2mm	6.7	6	-20	80	50
	522-525	1	4	32/0.2mm	7	10	-20	80	50
	522-626	1.5	4	30/0.25mm	9.15	16	-20	80	50
	522-636	2.5	4	50/0.25mm	9	20	-20	80	50
	522-581	1.5	5	30/0.25mm	8.2	16	-20	80	50
	522-557	2.5	5	50/0.25mm	9.8	20	-20	80	50
	522-553	1.5	7	30/0.25mm	10.3	16	-20	80	50
	363-367	0.75	3	24/0.2mm	7.06	6	-5	70	50
	363-373	1	3	32/0.2mm	7.45	10	-5	70	50
	363-389	1.5	3	30/0.25mm	8.06	16	-5	70	50
	363-395	2.5	3	50/0.25mm	9.75	25	-5	70	50
	514-3922	0.75	4	24/0.2mm	7.8	6	-5	70	50
	628-2264	1	4	32/0.2mm	8.1	10	-5	70	50
	514-3966	1.5	4	30/0.25mm	9.5	16	-5	70	50
	514-3871	2.5	4	50/0.25mm	11.1	20	-5	70	50
	514-4105	1.5	5	30/0.25mm	10.3	16	-5	70	50



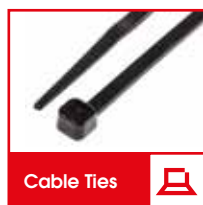
SY

As an armoured flexible control cable, SY cable derives its strength and durability from a galvanised steel wire braid. Stronger than CY and YY, SY cable is widely used in industrial applications and can be used in installations where free movement is required without tensile stresses.

Suitable for internal dry, damp or wet environments - including oil-water mixtures - they are not suitable for outdoor applications. Our range is available in 2 to 25-cores with harmonised core colours of stranded copper.



Brand	RS Stock Number	CSA (mm ²)	Number of Cores	Core Strands	Outer Diameter (mm)	Current Rating (A)	Min Temp (°C)	Max Temp (°C)	Reel Length (m)
	522-632	0.75	3	24/0.20mm	9.03	6	-20	80	50
	522-682	0.75	4	24/0.20mm	8.8	6	-20	80	50
	522-541	1	2	32/0.20mm	8.2	10	-20	80	50
	522-642	1	3	32/0.20mm	8.2	10	-20	80	50
	522-620	1	4	32/0.20mm	8.2	10	-20	80	50
	522-709	1	5	32/0.20mm	10.6	10	-20	80	50
	522-440	1	7	32/0.20mm	11.7	10	-20	80	50
	522-434	1	25	32/0.20mm	19.7	10	-20	80	50
	522-535	1.5	2	30/0.25mm	9.4	16	-20	80	50
	522-531	1.5	3	30/0.25mm	9.4	16	-20	80	50
	522-563	1.5	4	30/0.25mm	9.4	16	-20	80	50
	522-698	1.5	5	30/0.25mm	11.2	16	-20	80	50
	522-597	1.5	6	30/0.25mm	12.3	16	-20	80	50
	522-608	1.5	7	30/0.25mm	12.4	16	-20	80	50
	522-424	1.5	12	30/0.25mm	14.3	16	-20	80	50
	522-610	2.5	3	50/0.25mm	10.6	20	-20	80	50
	522-686	2.5	4	50/0.25mm	10.6	20	-20	80	50
	522-692	2.5	5	50/0.25mm	12.8	20	-20	80	50
	522-591	4	3	56/0.3mm	13.4	30	-20	80	50
	522-676	4	4	56/0.3mm	13.4	30	-20	80	50
	522-670	6	4	84/0.3mm	16	40	-20	80	50



SY (continued)

Brand	RS Stock Number	CSA (mm ²)	Number of Cores	Core Strands	Outer Diameter (mm)	Current Rating (A)	Min Temp (°C)	Max Temp (°C)	Reel Length (m)
	379-126	0.75	3	24/0.2mm	9.03	6	-5	70	50
	514-3944	0.75	4	24/0.2mm	10.4	6	-5	70	50
	379-328	1	2	32/0.2mm	9.1	10	-5	70	50
	379-132	1	3	32/0.2mm	9.42	10	-5	70	50
	514-4026	1	4	32/0.2mm	10.8	10	-5	70	50
	514-4133	1	5	32/0.2mm	11.7	10	-5	70	50
	244-1677	1	7	32/0.2mm	11.53	10	-5	70	50
	379-334	1.5	2	30/0.25mm	9.58	16	-5	70	50
	379-148	1.5	3	30/0.25mm	10.03	10	-5	70	50
	514-3988	1.5	4	30/0.25mm	11.7	16	-5	70	50
	514-4127	1.5	5	30/0.25mm	12.8	16	-5	70	50
	379-413	1.5	6	30/0.25mm	13.35	16	-5	70	50
	379-429	1.5	7	30/0.25mm	12.58	16	-5	70	50
	369-179	1.5	12	30/0.25mm	17.2	16	-5	70	50
	379-154	2.5	3	50/0.25mm	11.48	25	-5	70	50
	514-3893	2.5	4	50/0.25mm	13.6	20	-5	70	50
	514-4076	2.5	5	50/0.25mm	15.1	20	-5	70	50
	379-362	4	3	56/0.3mm	13.23	30	-5	70	50
	514-4048	4	4	56/0.3mm	16.4	30	-5	70	50
	514-4032	6	4	84/0.3mm	17.6	40	-5	70	50

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YY

YY cable is unshielded, highly flexible, PVC-sheathed multi-core power and signal control cable used for a wide variety of industrial applications. Suitable for outdoor use when protected against direct sunlight, and indoors in dry or moist conditions. The tough outer PVC sheath protects against light mechanical and environmental stresses. Belden YY Cable is manufactured to VDE 2050. Our YY range is available in 3 to 18 stranded conductors, with core colours of green/ yellow and varying numbered black cores.

YY control cables are not suitable for fixed wiring applications requiring compliance with the requirements of BS7671.

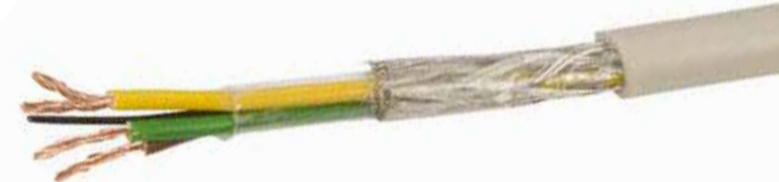


Brand	RS Stock Number	CSA (mm ²)	Number of Cores	Core Strands	Outer Diameter (mm)	Current Rating (A)	Min Temp (°C)	Max Temp (°C)	Reel Length (m)
RS PRO	522-430	0.75	3	24/0.2mm	5.6	6	-20	80	50
	522-446	1	3	32/0.2mm	6.2	10	-20	80	50
	522-513	1.5	3	30/0.24mm	6.5	16	-20	80	50
	522-456	2.5	3	50/0.24mm	8.1	20	-20	80	50
	522-614	0.75	4	24/0.193mm	6.6	6	-20	80	50
	522-507	1	4	32/0.193mm	7.1	10	-20	80	50
	522-604	1.5	4	30/0.24mm	7.6	16	-20	80	50
	522-503	2.5	4	50/0.25mm	9.1	20	-20	80	50
	522-660	1.5	5	30/0.24mm	8.4	16	-20	80	50
	522-484	1.5	7	30/0.24mm	9.5	16	-20	80	50
	522-484	1.5	7	30/0.24mm	9.5	16	-20	80	50
	522-452	1.5	8	30/0.24mm	10.4	16	-20	80	50
	522-468	0.75	12	24/0.2mm	10.4	6	-20	80	50
	522-490	1.5	12	30/0.24mm	12.4	16	-20	80	50
	522-478	0.75	18	24/0.2mm	12.4	6	-20	80	50
	522-474	1.5	18	30/0.24mm	14.5	16	-20	80	50
	777-4975	2.5	18	50/0.25mm	19.9	15	-20	80	50
BELDEN SENDING ALL THE RIGHT SIGNALS	483-4548	0.75	3	24/0.2mm	6.15	6	-5	70	50
	483-4560	1	3	32/0.2mm	6.55	10	-5	70	50
	483-4576	1.5	3	30/0.25mm	7.25	16	-5	70	50
	483-4582	2.5	3	50/0.25mm	8.9	25	-5	70	50
	619-5198	0.75	4	24/0.2mm	7.05	6	-5	70	50
	619-5277	1	4	32/0.2mm	7.5	10	-5	70	50
	619-5283	1.5	4	30/0.25mm	8.35	16	-5	70	50
	619-5441	2.5	4	50/0.25mm	9.8	25	-5	70	50
	483-4661	1.5	7	30/0.25mm	10.2	16	-5	70	50
	483-4661	1.5	7	30/0.25mm	10.2	16	-5	70	50
	483-4706	0.75	12	24/0.2mm	11.6	6	-5	70	50
	483-4734	0.75	18	24/0.2mm	13.6	6	-5	70	50
	631-9394	1.5	18	30/0.25mm	16.5	16	-5	70	50
	483-4756	2.5	18	50/0.25mm	19.9	25	-5	70	50

Unitronic LiYCY & LiYY

Unitronic® LiYCY is a screened, low frequency data transmission cable with DIN 47100 colour coding and stranded layered cores. This PVC-sheathed cable is used in RS232 work, computers, electronic control devices, measurement applications and automated production environments.

Unitronic® LiYY is an unscreened, low frequency data transmission cable. This is the classic cable for multi-functional use across instrumentation, control, and automation. Small cable diameter is a key feature for space saving installations. Cables are oil-resistant and flame retardant to IEC 60332-1-2. Our range is supplied in 2 to 8 core types.



Unitronic LiYCY

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
LAPP GROUP	445-1648	Tinned copper overall braid	No	No	24	0.25	2	14/0.14mm	4.5	4.5	250	-40 to +80	100
	491-8674	Tinned copper overall braid	No	No	24	0.25	4	14/0.14mm	5	4.5	250	-40 to +80	100
	445-1676	Tinned copper overall braid	No	No	24	0.25	5	14/0.14mm	5.6	4.5	250	-40 to +80	100
	491-8680	Tinned copper overall braid	No	No	24	0.25	6	14/0.14mm	6	4.5	250	-40 to +80	100
	445-1682	Tinned copper overall braid	No	No	24	0.25	7	14/0.14mm	6	4.5	250	-40 to +80	100
	445-1698	Tinned copper overall braid	No	No	24	0.25	8	14/0.14mm	7.1	4.5	250	-40 to +80	100
	445-1705	Tinned copper overall braid	No	No	24	0.25	10	14/0.14mm	7.5	4.5	250	-40 to +80	100
	445-1711	Tinned copper overall braid	No	No	24	0.25	12	14/0.14mm	7.7	4.5	250	-40 to +80	100
	491-8450	Tinned copper overall braid	No	No	22	0.34	4	7/0.25mm	5.7	6	250	-40 to +80	100
	491-8731	Tinned copper overall braid	No	No	22	0.34	6	7/0.25mm	6.8	6	250	-40 to +80	100
	491-8466	Tinned copper overall braid	No	No	20	0.5	2	16/0.2mm	5.6	9	250	-40 to +80	100
	491-8416	Tinned copper overall braid	No	No	20	0.5	4	16/0.2mm	6.3	9	250	-40 to +80	100
	491-8438	Tinned copper overall braid	No	No	20	0.5	6	16/0.2mm	7.6	9	250	-40 to +80	100
	491-8876	Tinned copper overall braid	No	No	20	0.5	8	16/0.2mm	8.7	9	250	-40 to +80	100
	491-8517	Tinned copper overall braid	No	No	20	0.5	10	16/0.2mm	9.3	9	250	-40 to +80	100

Unitronic LiYY

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
LAPP GROUP	445-1430	None	No	No	24	0.25	2	14/0.14mm	3.8	4.5	500	-40 to +80	100
	491-8983	None	No	No	24	0.25	4	14/0.14mm	4.3	4.5	500	-40 to +80	100
	445-1474	None	No	No	24	0.25	8	14/0.14mm	6.2	4.5	500	-40 to +80	100
	445-1480	None	No	No	24	0.25	10	14/0.14mm	6.8	4.5	500	-40 to +80	100
	491-9043	None	No	No	24	0.25	20	14/0.14mm	8.6	4.5	500	-40 to +80	100
	445-1519	None	No	No	22	0.34	2	7/0.25mm	4.2	6	500	-40 to +80	100
	445-1547	None	No	No	22	0.34	8	7/0.25mm	7.1	6	500	-40 to +80	100
	491-9021	None	No	No	20	0.5	2	16/0.2mm	4.7	9	500	-40 to +80	100
	491-8854	None	No	No	20	0.5	4	16/0.2mm	5.6	9	500	-40 to +80	100
	491-9059	None	No	No	20	0.5	7	16/0.2mm	6.9	9	500	-40 to +80	100
	491-8977	None	No	No	20	0.5	8	16/0.2mm	8	9	500	-40 to +80	100
	491-8961	None	No	No	20	0.5	10	16/0.2mm	8.6	9	500	-40 to +80	100
	491-8933	None	No	No	20	0.5	16	16/0.2mm	10.2	9	500	-40 to +80	100
	491-8927	None	No	No	20	0.5	20	16/0.2mm	11.4	9	500	-40 to +80	100

Ölflex Unscreened

ÖLFLEX® Classic 100 is a highly flexible, PVC sheathed YY control cable with colour coded cores. With good chemical resistance, a space-saving installation can be achieved due to its small cable diameter.

ÖLFLEX® Classic 110 is a VDE-registered, oil-resistant PVC sheathed control cable for a wide range of applications where a medium stress capability is required. Ideal as connecting cable for control systems and production lines.

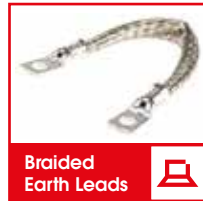
ÖLFLEX® Classic 110 Black is PVC sheathed power and control cable. With good UV and weather resistance it can be used outdoors, including for direct burial. The cable consists of a green/yellow core with varying numbers of black, numbered cores.

All cables are oil-resistant and flame retardant according to IEC 60332-1-2.



ÖLFLEX® Classic 100

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
	727-1363	None	No	No	20	0.5	3	16/0.2mm	5.1	9	300/500	-5 to +70	50
	727-1372	None	No	No	20	0.5	4	16/0.2mm	5.7	9	300/500	-5 to +70	50
	727-1375	None	No	No	20	0.5	5	16/0.2mm	6.2	9	300/500	-5 to +70	50
	727-1379	None	No	No	20	0.5	7	16/0.2mm	6.7	9	300/500	-5 to +70	50
	727-1388	None	No	No	20	0.5	12	16/0.2mm	8.9	9	300/500	-5 to +70	50
	727-1391	None	No	No	18	0.75	7	24/0.2mm	7.3	12	300/500	-5 to +70	50
	727-1401	None	No	No	18	0.75	12	24/0.2mm	9.9	12	300/500	-5 to +70	50
	727-1423	None	No	No	16	1.5	3	30/0.25mm	6.7	18	300/500	-5 to +70	50
	727-1420	None	No	No	16	1.5	5	30/0.25mm	8.1	18	300/500	-5 to +70	50
	727-1448	None	No	No	13	2.5	5	50/0.25mm	11.8	26	450/750	-5 to +70	50
	727-1445	None	No	No	13	2.5	4	50/0.25mm	10.7	26	450/750	-5 to +70	50



Ölflex Unscreened (continued)

ÖLFLEX® Classic 110

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
	387-7128	None	No	No	18	0.75	3	24/0.2mm	5.7	12	300/500	-40 to +80	50
	387-6759	None	No	No	18	0.75	4	24/0.2mm	6.2	12	300/500	-40 to +80	50
	141-126	None	No	No	18	0.75	5	24/0.2mm	6.7	12	300/500	-40 to +80	50
	141-564	None	No	No	18	0.75	7	24/0.2mm	7.3	12	300/500	-40 to +80	50
	387-6844	None	No	No	18	0.75	12	24/0.2mm	9.9	12	300/500	-40 to +80	50
	445-4322	None	No	No	18	0.75	18	24/0.2mm	11.7	12	300/500	-40 to +80	50
	141-362	None	No	No	17	1	5	32/0.2mm	7.1	15	300/500	-40 to +80	50
	141-148	None	No	No	17	1	7	32/0.2mm	8	15	300/500	-40 to +80	50
	141-160	None	No	No	17	1	12	32/0.2mm	10.5	15	300/500	-40 to +80	50
	787-4044	None	No	No	17	1	18	32/0.2mm	12.7	15	300/500	-40 to +80	50
	387-6816	None	No	No	16	1.5	3	30/0.25mm	6.7	18	300/500	-40 to +80	50
	387-6771	None	No	No	16	1.5	4	30/0.25mm	7.2	18	300/500	-40 to +80	50
	387-6923	None	No	No	16	1.5	7	30/0.25mm	8.9	18	300/500	-40 to +80	50
	387-6743	None	No	No	16	1.5	8	30/0.25mm	10.6	18	300/500	-40 to +80	50
	387-6850	None	No	No	16	1.5	12	30/0.25mm	12	18	300/500	-40 to +80	50
	445-4338	None	No	No	16	1.5	18	30/0.25mm	14.4	18	300/500	-40 to +80	50

ÖLFLEX® Classic 110 Black

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
	144-951	None	Yes	No	18	0.75	2	24/0.2mm	8.3	12	600/1000	-40 to +80	50
	144-967	None	Yes	No	18	0.75	3	24/0.2mm	8.7	12	600/1000	-40 to +80	50
	145-702	None	Yes	No	18	0.75	7	24/0.2mm	10.7	12	600/1000	-40 to +80	50
	144-973	None	Yes	No	17	1	2	32/0.2mm	8.6	15	600/1000	-40 to +80	50
	144-901	None	Yes	No	17	1	7	32/0.2mm	11.1	15	600/1000	-40 to +80	50
	144-923	None	Yes	No	16	1.5	2	30/0.25mm	9.6	18	600/1000	-40 to +80	50
	145-724	None	Yes	No	16	1.5	3	30/0.25mm	10.1	18	600/1000	-40 to +80	50
	145-162	None	Yes	No	16	1.5	4	30/0.25mm	10.8	18	600/1000	-40 to +80	50

Ölflex Screened

ÖLFLEX® Classic 100 CY is a flexible screened PVC sheathed cable with colour coded twisted cores. Offering EMC compliance with good chemical resistance, it is used for power and control applications.

ÖLFLEX® Classic 100 SY is a PVC sheathed power and control cable with steel wire braiding for mechanical protection. Offering good chemical resistance, it can be used in dry and damp/wet interior environments.

ÖLFLEX® Classic 110 SY is a steel-wire braided, PVC sheathed, flexible control cable with transparent outer sheath. Compliant to VDE 0295, part 5, it is ideal for use in a range of applications where high resistance to acids and alkalines is required.

ÖLFLEX® Classic 115 CY is a screened, PVC sheathed control cable with small outer diameter. It offers EMC compliance and good resistance to chemicals and oils.

All cables are oil-resistant and flame retardant according to IEC 60332-1-2.



ÖLFLEX® Classic 100 CY

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
	444-0200	Tinned Copper Braid	No	Yes	18	0.75	3	24/0.2mm	7.9	12	300/500	-40 to +80	50
	444-0216	Tinned Copper Braid	No	Yes	17	1	3	32/0.2mm	8.2	15	300/500	-40 to +80	50
	444-0250	Tinned Copper Braid	No	Yes	17	1	4	32/0.2mm	8.7	15	300/500	-40 to +80	50
	444-0222	Tinned Copper Braid	No	Yes	16	1.5	3	30/0.25mm	10.3	18	450/750	-40 to +80	50
	444-0266	Tinned Copper Braid	No	Yes	16	1.5	4	30/0.25mm	11.3	18	450/750	-40 to +80	50
	444-0238	Tinned Copper Braid	No	Yes	13	2.5	3	50/0.25mm	11.8	26	450/750	-40 to +80	50

ÖLFLEX® Classic 100 SY

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
	455-0082	Galvanized Steel Wire Braid	No	No	16	1.5	3	30/0.25mm	9.7	18	300/500	-40 to +80	100
	444-0446	Galvanized Steel Wire Braid	No	No	16	1.5	4	30/0.25mm	10.2	18	300/500	-40 to +80	50
	444-0418	Galvanized Steel Wire Braid	No	No	13	2.5	3	50/0.25mm	12.6	26	450/750	-40 to +80	50
	444-0452	Galvanized Steel Wire Braid	No	No	13	2.5	4	50/0.25mm	13.9	26	450/750	-40 to +80	50
	444-0503	Galvanized Steel Wire Braid	No	No	13	2.5	5	50/0.25mm	15.2	26	450/750	-40 to +80	50

Ölflex Screened (continued)

ÖLFLEX® Classic 110 SY

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
LAPP GROUP	141-154	Galvanized Steel Wire Braid	No	No	18	0.75	3	24/0.2mm	8.5	12	300/500	-40 to +80	50
	141-205	Galvanized Steel Wire Braid	No	No	18	0.75	5	24/0.2mm	9.7	12	300/500	-40 to +80	50
	141-198	Galvanized Steel Wire Braid	No	No	18	0.75	7	24/0.2mm	10.3	12	300/500	-40 to +80	50
	141-211	Galvanized Steel Wire Braid	No	No	17	1	4	32/0.2mm	9.5	15	300/500	-40 to +80	50
	454-8809	Galvanized Steel Wire Braid	No	No	17	1	7	32/0.2mm	11	15	300/500	-40 to +80	50
	141-104	Galvanized Steel Wire Braid	No	No	16	1.5	4	30/0.25mm	10.2	18	300/500	-40 to +80	50
	454-8815	Galvanized Steel Wire Braid	No	No	16	1.5	7	30/0.25mm	11.9	18	300/500	-40 to +80	50

ÖLFLEX® Classic 115 CY

Brand	RS Stock Number	Screen Type	UV-Resistant	EMC Compliant	AWG	CSA (mm ²)	Number of Cores	Core Strands	Nominal Overall Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Reel Length (m)
LAPP GROUP	444-0519	Tinned Copper Braid	No	Yes	18	0.75	3	24/0.2mm	6.5	12	300/500	-40 to +80	50
	444-0553	Tinned Copper Braid	No	Yes	18	0.75	4	24/0.2mm	7	12	300/500	-40 to +80	50
	444-0575	Tinned Copper Braid	No	Yes	17	1	4	32/0.2mm	7.3	15	300/500	-40 to +80	50
	444-0581	Tinned Copper Braid	No	Yes	16	1.5	4	30/0.25mm	8.2	18	300/500	-40 to +80	50
	444-0604	Tinned Copper Braid	No	Yes	16	1.5	5	30/0.25mm	8.9	18	300/500	-40 to +80	50
	444-0632	Tinned Copper Braid	No	Yes	16	1.5	7	30/0.25mm	9.9	18	300/500	-40 to +80	50
	444-0597	Tinned Copper Braid	No	Yes	13	2.5	4	50/0.25mm	9.9	26	300/500	-40 to +80	50
	444-0610	Tinned Copper Braid	No	Yes	13	2.5	5	50/0.25mm	11	26	300/500	-40 to +80	50

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Mains Power

A range of power cables designed for a variety of applications including household appliances, tools and fixed installations. Supplied with PVC, rubber or CPE sheath, our single and multi-core cables are part of the HAR harmonised reference system, CE marked and RoHS compliant. Cables are manufactured to ISO9001 and selected products offer BASEC approval.

Our cables also conform to a range of other standards.



H03VV-F

Brand	RS Stock Number	Harmonised Code	CSA (mm ²)	Sheath Material	Number of cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Conductor type	Standards	Type	Reel Length (m)
	775-6062	H03VV-F	0.5	PVC	2	5.06	3	300	-5 to +70	Stranded copper	G H J M N	2182Y	100
	491-841	H03VV-F	0.5	PVC	2	5.9	3	300	-15 to +70	Stranded copper	A E G	2182Y	100
	775-5845	H03VV-F	0.75	PVC	2	5.4	6	300	-5 to +70	Stranded copper	G H J M N	2182Y	100
	491-908	H03VV-F	0.75	PVC	2	6.3	6	300	-15 to +70	Stranded copper	A E G	2182Y	100
	775-6075	H03VV-F	0.5	PVC	3	5.39	3	300	-5 to +70	Stranded copper	G H J M N	2183Y	100
	491-857	H03VV-F	0.5	PVC	3	6.3	3	300	-15 to +70	Stranded copper	A E G	2183Y	100
	775-5851	H03VV-F	0.75	PVC	3	5.97	6	300	-5 to +70	Stranded copper	G H J M N	2183Y	100
	491-891	H03VV-F	0.75	PVC	3	5.2 - 6.7	6	300	-15 to +70	Stranded copper	A E G	2183Y	100

H05VV-F

Brand	RS Stock Number	Harmonised Code	CSA (mm ²)	Sheath Material	Number of cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Conductor type	Standards	Type	Reel Length (m)
	775-6088	H05VV-F	0.75	PVC	2	6.05	6	300, 500	-5 to +70	Stranded copper	G H J M N	3182Y	100
	491-926	H05VV-F	0.75	PVC	2	7.2	6	500	-15 to +70	Stranded copper	A E G	3182Y	100
	775-6090	H05VV-F	1	PVC	2	6.39	10	300, 500	-5 to +70	Stranded copper	G H J M N	3182Y	100
	492-014	H05VV-F	1	PVC	2	7.5	10	500	-15 to +70	Stranded copper	A E G	3182Y	100
	775-6104	H05VV-F	1.5	PVC	2	7.3	16	300, 500	-5 to +70	Stranded copper	G H J M N	3182Y	100
	491-932	H05VV-F	1.5	PVC	2	8.6	15	500	-15 to +70	Stranded copper	A E G	3182Y	100
	775-5870	H05VV-F	2.5	PVC	2	8.86	25	300, 500	-5 to +70	Stranded copper	G H J M N	3182Y	100
	775-6101	H05VV-F	0.75	PVC	3	6.47	6	300, 500	-5 to +70	Stranded copper	G H J M N	3183Y	100
	491-835	H05VV-F	0.75	PVC	3	7.6	6	500	-15 to +70	Stranded copper	A E G	3183Y	100
	775-6113	H05VV-F	1	PVC	3	6.91	10	300, 500	-5 to +70	Stranded copper	G H J M N	3183Y	100
	491-881	H05VV-F	1	PVC	3	8	10	500	-15 to +70	Stranded copper	A E G	3183Y	100
	492-002	H05VV-F	1.25	PVC	3	8.7	13	500	-15 to +70	Stranded copper	A E G	3183Y	100
	775-6123	H05VV-F	1.5	PVC	3	7.99	16	300, 500	-5 to +70	Stranded copper	G H J M N	3183Y	100
	491-998	H05VV-F	1.5	PVC	3	9.4	15	500	-15 to +70	Stranded copper	A E G	3183Y	100
	775-6135	H05VV-F	2.5	PVC	3	9.7	25	300, 500	-5 to +70	Stranded copper	G H J M N	3183Y	100
	491-954	H05VV-F	2.5	PVC	3	11.4	20	500	-15 to +70	Stranded copper	A E G	3183Y	100

Key to Standards	
A	BASEC
B	BS EN 50525-2-21
C	BS EN/IEC 60332-1-2
D	BS6500
E	CENELEC HD21.5
F	EN 50265-2-1
G	HAR
H	IEC 60227-5
I	IEC 60228 Class 1
J	IEC 60228 Class 5
K	IEC 60332-1
L	IEC 60502-1
M	TS 9760 HD 21.5.S3
N	VDE 0281-5
O	VDE 0285-525-2-21
P	VDE

Mains Power (continued)

H05VV-F (continued)

Brand	RS Stock Number	Harmonised Code	CSA (mm ²)	Sheath Material	Number of cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Conductor type	Standards	Type	Reel Length (m)
	491-986	H05VV-F	4	PVC	3	11.8	32	500	-15 to +70	Stranded copper	A E G	3183Y	100
	775-6148	H05VV-F	0.75	PVC	4	7.04	6	300, 500	-5 to +70	Stranded copper	G H J M N	3184Y	100
	491-904	H05VV-F	0.75	PVC	4	8.3	6	500	-15 to +70	Stranded copper	A E G	3184Y	100
	775-6145	H05VV-F	1	PVC	4	7.81	10	300, 500	-5 to +70	Stranded copper	G H J M N	3184Y	100
	491-942	H05VV-F	1	PVC	4	9	10	500	-15 to +70	Stranded copper	A E G	3184Y	100
	775-6157	H05VV-F	1.5	PVC	4	8.87	16	300, 500	-5 to +70	Stranded copper	G H J M N	3184Y	100
	49-1976	H05VV-F	1.5	PVC	4	10.5	15	500	-15 to +70	Stranded copper	A E G	3184Y	100
	775-6160	H05VV-F	2.5	PVC	4	10.63	20	300, 500	-5 to +70	Stranded copper	G H J M N	3184Y	100
	492-036	H05VV-F	2.5	PVC	4	12.5	20	500	-15 to +70	Stranded copper	A E G	3184Y	100
	775-6167	H05VV-F	0.75	PVC	5	8.04	6	300, 500	-5 to +70	Stranded copper	G H J M N	3185Y	100
	492-024	H05VV-F	0.75	PVC	5	8	6	500	-15 to +70	Stranded copper	A E G	3185Y	100
	775-6179	H05VV-F	1	PVC	5	8.37	10	300, 500	-5 to +70	Stranded copper	G H J M N	3185Y	100
	492-020	H05VV-F	1	PVC	5	8.6	16	500	-15 to +70	Stranded copper	A E G	3185Y	100
	775-6182	H05VV-F	1.5	PVC	5	10.1	16	300, 500	-5 to +70	Stranded copper	G H J M N	3185Y	100
	491-982	H05VV-F	1.5	PVC	5	10	16	500	-15 to +70	Stranded copper	A E G	3185Y	100

Key to Standards	
A	BASEC
B	BS EN 50525-2-21
C	BS EN/IEC 60332-1-2
D	BS6500
E	CENELEC HD21.5
F	EN 50265-2-1
G	HAR
H	BS EN 50265-2-1
I	IEC 60228 Class 1
J	IEC 60228 Class 5
K	IEC 60288
L	IEC 60502-1
M	TS 9760 HD 21.5.S3
N	VDE 0281-5
O	VDE 0285-525-2-21
P	VDE

H07BN4-F

Brand	RS Stock Number	Harmonised Code	CSA (mm ²)	Sheath Material	Number of cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Conductor type	Standards	Type	Reel Length (m)
	836-0846	H07BN4-F	10	TPE Rubber	1	9.5 - 11.9		450, 750	-40 to +90	Copper	B C G K	6381TQ	100
	836-0855	H07BN4-F	16	TPE Rubber	1	10.8 - 13.4		450, 750	-40 to +90	Copper	B C G K	6381TQ	100
	836-0858	H07BN4-F	25	TPE Rubber	1	12.7 - 15.8		450, 750	-40 to +90	Copper	B C G K	6381TQ	100

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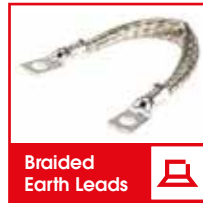
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Mains Power (continued)

H07RN-F

Brand	RS Stock Number	Harmonised Code	CSA (mm ²)	Sheath Material	Number of cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Conductor type	Standards	Type	Reel Length (m)	EuroClass	
	773-9020	H07RN-F	1	CPE	2	8.3	17	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9039	H07RN-F	1.5	CPE	2	9.3	21	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9036	H07RN-F	2.5	CPE	2	11	30	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9045	H07RN-F	1.5	CPE	3	10.1	18	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9049	H07RN-F	2.5	CPE	3	11.8	25	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9051	H07RN-F	4	CPE	3	13.5	35	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9055	H07RN-F	6	CPE	3	15.4	43	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9061	H07RN-F	1.5	CPE	4	11.1	16	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9070	H07RN-F	2.5	CPE	4	13	25	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9077	H07RN-F	4	CPE	4	15.2	36	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9086	H07RN-F	1.5	CPE	5	12.2	18	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9089	H07RN-F	2.5	CPE	5	14.4	25	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9083	H07RN-F	4	CPE	5	16.9	36	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
	773-9092	H07RN-F	6	CPE	5	19.1	45	450, 750	-25 to +60	Copper	G O	H07RN-F	100	Eca	
		817-8984	H07RN-F	1.5	Rubber	2	8.5 - 11	18	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X
		817-8996	H07RN-F	2.5	Rubber	2	10.2 - 13.1	26	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X
		817-9003	H07RN-F	1.5	Rubber	3	9.2 - 11.9	18	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	50	X
817-9000		H07RN-F	2.5	Rubber	3	10.9 - 14	26	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	50	X	
817-9012		H07RN-F	4	Rubber	3	12.7 - 16.2	34	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X	
817-9016		H07RN-F	6	Rubber	3	14.1 - 18	44	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X	
817-9028		H07RN-F	1.5	Rubber	4	10.2 - 13.1	18	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X	
817-9031		H07RN-F	2.5	Rubber	4	12.1 - 15.5	26	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X	
817-9047		H07RN-F	1.5	Rubber	5	11.2 - 14.4	18	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X	
817-9040		H07RN-F	2.5	Rubber	5	13.3 - 17	26	450, 750	-25 to +60	Stranded copper	G K	H07RN-F	100	X	
817-8987	H05RN-F	1	Rubber	2	6.1 - 8	15	300/500	-25 to +60	Stranded copper	G K	H05RN-F	100	X		

Key to Standards	
A	BASEC
B	BS EN 50525-2-21
C	BS EN/IEC 60332-1-2
D	BS6500
E	CENELEC HD21.5
F	EN 50265-2-1
G	HAR
H	BS EN 50265-2-1
I	IEC 60228 Class 1
J	IEC 60228 Class 5
K	IEC 60288
L	IEC 60502-1
M	TS 9760 HD 21.5.S3
N	VDE 0281-5
O	VDE 0285-525-2-21
P	VDE



Mains Power (continued)

NYM-J

Brand	RS Stock Number	Harmonised Code	CSA (mm ²)	Sheath Material	Number of cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Conductor type	Standards	Type	Reel Length (m)
	902-8322	NYM-J	1.5	PVC	3	10.44		300V, 500	-5 to +70	Solid copper	K	NYM-J	50
	902-8329	NYM-J	2.5	PVC	3	9.17		300V, 500	-5 to +70	Solid copper	K	NYM-J	50
	902-8341	NYM-J	1.5	PVC	5	11.45		1000, 600	-5 to +70	Solid copper	K	NYM-J	100
	902-8350	NYM-J	2.5	PVC	5	15.58		300, 500	-5 to +70	Solid copper	K	NYM-J	100
	902-8357	NYM-J	4	PVC	5	14.23		300, 500	-5 to +70	Solid copper	K	NYM-J	100
	902-8366	NYM-J	6	PVC	5	12.9		300, 500	-5 to +70	Solid copper	K	NYM-J	100
	515-4281	NYM-J	1.5	PVC	3	9.1	19	300, 500	-5 to +60	Solid copper	K P	NYM-J	50
	515-4269	NYM-J	2.5	PVC	3	10.4	25	300, 500	-5 to +60	Solid copper	K P	NYM-J	50
	515-4275	NYM-J	1.5	PVC	5	9.9	19	300, 500	-5 to +60	Solid copper	K P	NYM-J	50
	515-4253	NYM-J	2.5	PVC	5	12.2	25	300, 500	-5 to +60	Solid copper	K P	NYM-J	50

Key to Standards	
A	BASEC
B	BS EN 50525-2-21
C	BS EN/IEC 60332-1-2
D	BS6500
E	CENELEC HD21.5
F	EN 50265-2-1
G	HAR
H	BS EN 50265-2-1
I	IEC 60228 Class 1
J	IEC 60228 Class 5
K	IEC 60288
L	IEC 60502-1
M	TS 9760 HD 21.5.S3
N	VDE 0281-5
O	VDE 0285-525-2-21
P	VDE

NYY-J

Brand	RS Stock Number	Harmonised Code	CSA (mm ²)	Sheath Material	Number of cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Conductor type	Standards	Type	Reel Length (m)
	902-8296	NYY-J	1.5	PVC	3	10.6		1000, 600	-5 to +70	Solid copper	F I K L	NYY-J	50
	902-8290	NYY-J	2.5	PVC	3	15.9		1000, 600	-5 to +70	Solid copper	F I K L	NYY-J	50
	902-8300	NYY-J	4	PVC	3	12		1000, 600	-5 to +70	Solid copper	F I K L	NYY-J	50
	902-8303	NYY-J	1.5	PVC	4	12.25		300, 500	-5 to +70	Solid copper	F I K L	NYY-J	50
	902-8307	NYY-J	2.5	PVC	4	13.25		1000, 600	-5 to +70	Solid copper	F I K L	NYY-J	50
	902-8316	NYY-J	6	PVC	4	10.67		300, 500	-5 to +70	Solid copper	F I K L	NYY-J	50
	721-0689	NYY-J	1.5	PVC	3	12	19	1000, 600	-5 to +50	Solid copper	K P	NYY-J	50
	721-0683	NYY-J	2.5	PVC	3	13	25	1000, 600	-5 to +50	Solid copper	K P	NYY-J	50
	721-0692	NYY-J	4	PVC	3	15	34	1000, 600	+5 to +50	Solid copper	K P	NYY-J	50
	721-0702	NYY-J	1.5	PVC	4	13	19	1000, 600	+5 to +50	Solid copper	K P	NYY-J	50
	721-0706	NYY-J	2.5	PVC	4	14	25	1000, 600	+5 to +50	Solid copper	K P	NYY-J	50
	721-0718	NYY-J	6	PVC	4	17	43	1000, 600	+5 to +50	Solid copper	K P	NYY-J	50


Heatshrink Sleeve

Cable Ties

Cable Marking Kits

Nylon Cable Glands

Cable Covers & Caps

Cable Sleeves

Braided Earth Leads

Circular Connectors

Mains Power - SWA

Steel wire armoured cables are PVC sheathed with a galvanised steel wire armouring surrounding insulated power cores. Frequently used for underground cabling, they are suitable for indoor, outdoor and buried installations. Sheath material is PVC or LSZH for areas where low smoke is a requirement.

BASEC approved ranges are available all cables are RoHS compliant and manufactured to ISO9001.



Brand	RS Stock Number	CSA (mm ²)	Sheath Material	Number of Cores	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	EuroClass	Reel Length (m)
RS PRO	777-0484	1.5	PVC	2	12.8	29	600, 1000	Eca	50
	777-0497	1.5	PVC	3	12.6	25	600, 1000	Eca	50
	777-0501	1.5	PVC	4	14	25	600, 1000	Eca	50
	777-0488	2.5	PVC	2	13.6	39	600, 1000	Eca	50
	777-0490	2.5	PVC	3	14.1	33	600, 1000	Eca	50
	777-0510	2.5	PVC	4	14.9	33	600, 1000	Eca	50
	777-0532	2.5	PVC	5	16.7	26.5	600, 1000	Eca	50
	777-0504	4	PVC	3	15.2	44	600, 1000	Eca	50
	777-0513	4	PVC	4	17.1	44	600, 1000	Eca	50
	777-0535	4	PVC	5	18.1	35.4	600, 1000	Eca	50
	777-0507	6	PVC	3	17.2	56	600, 1000	Eca	50
	777-0494	10	PVC	3	18.9	78	600, 1000	Eca	50
	777-0517	10	PVC	4	20.2	78	600, 1000	Eca	50
PRYSMIAN	468-2202	1.5	PVC	2	10.8	38	600, 1000	X	100
	494-2958	1.5	LSZH	2	10.8	29	1000	X	100
	468-2195	1.5	LSZH	3	12	25	600, 1000	X	100
	494-3002	1.5	LSZH	4	12	25	1000	X	100
	494-2992	4	LSZH	3	14	44	1000	X	100
	494-3024	4	LSZH	4	15	44	1000	X	100
	494-5799	6	LSZH	3	15.2	56	1000	X	50
	494-5812	6	LSZH	4	17.3	56	1000	X	50
	494-5828	10	LSZH	4	19.8	78	1000	X	50
	494-5834	16	LSZH	4	22.3	99	1000	X	50

Conduit

A rigid standard wiring cable for use in closed systems, light fittings, switch and control gear. Installed within embedded conduit, it is suited to indoor appliance wiring and supplied with PVC or low halogen LSZH sheath. For use under medium mechanical stress.

BASEC approved ranges are available and all of the range is RoHS compliant and manufactured to ISO9001.



Brand	RS Stock Number	Harmonised code	CSA (mm ²)	Sheath Material	Core Strands	Current Rating (A)	Voltage (V)	Type	Standards	EuroClass	Reel Length (m)
	836-0868	H07V-R	1.5	PVC	7/0.53mm		450, 750	6491X	A F G H	Eca	100
	836-0886	H07V-R	2.5	PVC	7/0.67mm		450, 750	6491X	A F G H	Eca	100
	836-0906	H07V-R	4	PVC	7/0.85mm		450, 750	6491X	A F G H	Eca	100
	836-0919	H07V-R	6	PVC	7/1.03mm		450, 750	6491X	A F G H	Eca	100
	836-0937	H07V-R	10	PVC	7/1.34mm		450, 750	6491X	A F G H	Eca	100
	836-0956	H07V-R	16	PVC	7/1.69mm		450, 750	6491X	A F G H	Eca	100
	836-0969	H07V-R	25	PVC	7/2.19mm		450, 750	6491X	A F G H	Eca	100
	381-056	H07V-R	1.5	PVC	7/0.53mm	17.5	750	6491X	B D E F	X	100
	381-113	H07V-R	2.5	PVC	7/0.67mm	24	750	6491X	B D E F	X	100
	381-179	H07V-R	4	PVC	7/0.85mm	32	750	6491X	B D E F	X	100
	381-236	H07V-R	6	PVC	7/1.04mm	41	750	6491X	B D E F	X	100
	381-292	H07V-R	10	PVC	7/1.35mm	57	750	6491X	B D E F	X	100
	381-321	H07V-R	16	PVC	7/1.70mm	76	750	6491X	B D E F	X	100
	381-359	H07V-R	25	PVC	7/2.14mm	101	750	6491X	B D E F	X	100
	363-250	H07Z-R	1.5	LSZH	7/0.53mm	22	750	6491B	C	X	100
	363-301	H07Z-R	2.5	LSZH	7/0.67mm	30	750	6491B	C	X	100
	363-351	H07Z-R	4	LSZH	7/0.85mm	40	750	6491B	C	X	100

Key to Standards	
A	BS EN 50525-2-31
B	BS EN 50363-3 Type T11
C	BS EN 50525-3-41
D	BS EN 60228
E	BS EN 60332-1-2
F	IEC 60228
G	IEC 60332-1
H	RoHS Compliant
I	BASEC

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Lighting & Electrical

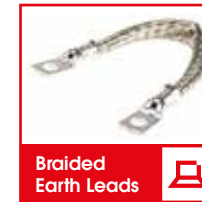
A range of multicore, indoor wiring cable suitable for a variety of applications. The range consists of low smoke, flame retardant LSZH sheathed cable for areas where smoke emission presents a threat and PVC sheathed types for general electrical wiring.

PVC cable is approved to BASEC and is RoHS compliant. All are manufactured to ISO9001.



Brand	RS Stock Number	Harmonised code	CSA (mm ²)	Sheath Material	Number of Cores	Current Rating (A)	Voltage Rating (V)	Type	Standards	EuroClass	Reel Length (m)
	836-0713	H05Z1Z1-F	0.75	LSZH	2		500	3182B	A B C F G H	Eca	100
	836-0717	H05Z1Z1-F	1	LSZH	2		500	3182B	A B C F G H	Eca	100
	836-0726	H05Z1Z1-F	1.5	LSZH	2		500	3182B	A B C F G H	Eca	100
	836-0729	H05Z1Z1-F	2.5	LSZH	2		500	3182B	A B C F G H	Eca	100
	836-0723	H05Z1Z1-F	4	LSZH	2		500	3182B	A B C F G H	Eca	100
	836-0732	H05Z1Z1-F	0.75	LSZH	3		500	3182B	A B C F G H	Eca	100
	836-0735	H05Z1Z1-F	1	LSZH	3		500	3182B	A B C F G H	Eca	100
	836-0739	H05Z1Z1-F	1.5	LSZH	3		500	3182B	A B C F G H	Eca	100
	836-0748	H05Z1Z1-F	2.5	LSZH	3		500	3182B	A B C F G H	Eca	100
	836-0741	H05Z1Z1-F	0.75	LSZH	4		500	3182B	A B C F G H	Eca	100
	836-0745	H05Z1Z1-F	1	LSZH	4		500	3182B	A B C F G H	Eca	100
	836-0754	H05Z1Z1-F	1.5	LSZH	4		500	3182B	A B C F G H	Eca	100
	836-0757	H05Z1Z1-F	2.5	LSZH	4		500	3182B	A B C F G H	Eca	100
		468-1899	6242YH	1	PVC	2+Earth	16	500	6242Y	D E F I	X
468-1906		6242YH	1.5	PVC	2+Earth	20	500	6242Y	D E F I	X	100
468-1912		6242YH	2.5	PVC	2+Earth	27	500	6242Y	D E F I	X	100
468-1928		6242YH	4	PVC	2+Earth	37	500	6242Y	D E F I	X	100
493-9766		6242YH	6	PVC	2+Earth	47	240	6242Y	D E F I	X	100
493-9788		6243YH	1	PVC	3+Earth	15	500	6243Y	D E F I	X	100

Key to Standards	
A	IEC 60228
B	BS EN 50525-3-11
C	BS EN 60332-1
D	BASEC
E	BS EN 50265-2-1
F	EN
G	EN 50363-7
H	BS EN 50363-8
I	TS



Multicore

A range of high performance, screened and unscreened PVC sheathed cables for a number of applications including industrial process control and computer peripheral wiring. Screening and braiding helps to reduce external interference.

UL, CSA and DEF STAN ranges are available where their installation demands. All of the range is RoHS compliant and manufactured to ISO9001.



Brand	RS Stock Number	Screened/Unscreened	AWG	CSA (mm ²)	Sheath Material	Number of Cores	Core Strands	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Standards	Reel Length (m)
	660-4021	Unscreened	24	0.22	PVC	2	7/0.2mm	3.6	1	440	-20 to 80	A D E	100
	660-4080	Unscreened	20	0.5	PVC	2	16/0.2mm	5.9	2.5	440	-20 to 80	A D E	100
	660-4087	Unscreened	20	0.5	PVC	3	16/0.2mm	6.2	2.5	440	-20 to 80	A D E	100
	660-4046	Unscreened	24	0.22	PVC	4	7/0.2mm	4.1	1	440	-20 to 80	A D E	100
	660-4096	Unscreened	20	0.5	PVC	4	16/0.2mm	6.7	2.5	440	-20 to 80	A D E	100
	660-4043	Unscreened	24	0.22	PVC	6	7/0.2mm	4.8	1	440	-20 to 80	A D E	100
	660-4099	Unscreened	20	0.5	PVC	6	16/0.2mm	7.7	2.5	440	-20 to 80	A D E	100
	660-4055	Unscreened	24	0.22	PVC	8	7/0.2mm	5.8	1	440	-20 to 80	A D E	100
	660-4068	Unscreened	24	0.22	PVC	12	7/0.2mm	6.4	1	440	-20 to 80	A D E	100
	660-4103	Unscreened	20	0.5	PVC	12	16/0.2mm	9.9	2.5	440	-20 to 80	A D E	100
	660-4100	Unscreened	20	0.5	PVC	18	16/0.2mm	11.5	2.5	440	-20 to 80	A D E	100
	660-4065	Unscreened	24	0.22	PVC	20	7/0.2mm	8.1	1	440	-20 to 80	A D E	100
	660-4077	Unscreened	24	0.22	PVC	36	7/0.2mm	10.1	1	440	-20 to 80	A D E	100
	660-4077	Unscreened	24	0.22	PVC	36	7/0.2mm	10.1	1	440	-20 to 80	A D E	100
	660-0439	Screened	24	0.22	PVC	4	7/0.2mm	4.4	1	300	-20 to 80	A D E	100
	660-0489	Screened	20	0.5	PVC	4	16/0.2mm	7.3	2.5	300	-20 to 80	A D E	100
	660-0445	Screened	24	0.22	PVC	6	7/0.2mm	5.6	1	300	-20 to 80	A D E	100
	660-0495	Screened	20	0.5	PVC	6	16/0.2mm	8.3	2.5	300	-20 to 80	A D E	100
	660-0457	Screened	24	0.22	PVC	8	7/0.2mm	6.1	1	300	-20 to 80	A D E	100
	660-0463	Screened	24	0.22	PVC	12	7/0.2mm	6.9	1	300	-20 to 80	A D E	100
	660-0479	Screened	24	0.22	PVC	20	7/0.2mm	8.6	1	300	-20 to 80	A D E	100
	660-0482	Screened	24	0.22	PVC	36	7/0.2mm	10.8	1	300	-20 to 80	A D E	100

Key to Standards	
A	IEC 60332-1
B	IEC 60332-182
C	CSA
D	DEF STAN 61.12 parts 4 and 5
E	UL
F	UL SUN RES



Multicore (Continued)

Brand	RS Stock Number	Screened/ Unscreened	AWG	CSA (mm ²)	Sheath Material	Number of Cores	Core Strands	Outer Diameter (mm)	Current Rating (A)	Voltage Rating (V)	Temperature Range (°C)	Standards	Reel Length (m)
	111-5383	Unscreened	24	0.23	PVC	2	7/32mm	4.064		300	-30 to 80	B C E F	30
	195-3236	Unscreened	24	0.23	PVC	3	7/32mm	4.14		300	-30 to 80	B C E F	30
	111-5399	Unscreened	24	0.23	PVC	4	7/32mm	4.45		300	-30 to 80	B C E F	30
	111-5406	Unscreened	24	0.23	PVC	6	7/32mm	5.11		300	-30 to 80	B C E F	30
	195-3242	Unscreened	24	0.23	PVC	8	7/32mm	5.46		300	-30 to 80	B C E F	30
	195-3258	Unscreened	24	0.23	PVC	10	7/32mm	6.2		300	-30 to 80	B C E F	30
	195-3264	Unscreened	24	0.23	PVC	15	7/32mm	6.88		300	-30 to 80	B C E F	30
	168-1004	Screened	24	0.23	PVC	2	7/32mm	4.06		300	-30 to 80	B C E F	30
	409-062	Screened	24	0.23	PVC	2	7/32mm	4.67		300	-30 to 80	B C E F	30
	111-9032	Screened	24	0.23	PVC	3	7/32mm	4.24		300	-30 to 80	B C E F	30
	111-9048	Screened	24	0.23	PVC	4	7/0.2mm	4.55		300	-35 to 105	B C E F	30
	269-4988	Screened	24	0.23	PVC	4	7/32mm	5.16		300	-30 to 80	B C E F	30
	168-2934	Screened	24	0.23	PVC	5	7/32mm	6.45		300	-30 to 80	B C E F	30
	111-9054	Screened	24	0.23	PVC	6	7/0.2mm	5.21		300	-35 to 105	B C E F	30
	269-4994	Screened	24	0.23	PVC	6	7/32mm	5.82		300	-30 to 80	B C E F	30
	111-9060	Screened	24	0.23	PVC	8	7/32mm	5.56		300	-30 to 80	B C E F	30
	269-5004	Screened	24	0.23	PVC	8	7/32mm	6.17		300	-30 to 80	B C E F	30
	111-9076	Screened	24	0.23	PVC	10	7/0.2mm	6.3		300	-35 to 105	B C E F	30
	409-157	Screened	24	0.23	PVC	10	7/32mm	6.91		300	-30 to 80	B C E F	30
	111-9098	Screened	24	0.23	PVC	15	7/0.2mm	6.99		300	-35 to 105	B C E F	30
	269-5032	Screened	24	0.23	PVC	15	7/0.2mm	7.59		300	-35 to 105	B C E F	30
	409-208	Screened	24	0.23	PVC	20	7/32mm	7.72		300	-30 to 80	B C E F	30



Key to Standards	
A	IEC 60332-1
B	IEC 60332-182
C	CSA
D	DEF STAN 61.12 parts 4 and 5
E	UL
F	UL SUN RES

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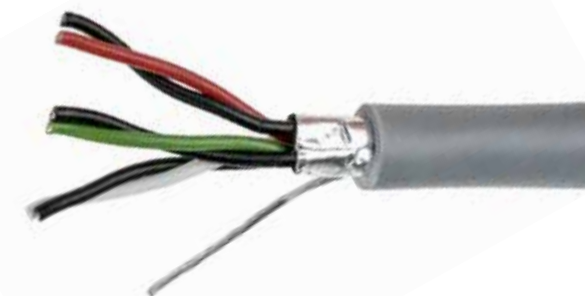


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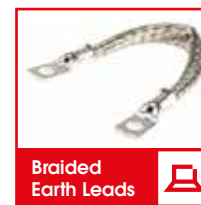
Multipair / Twisted Pair

Multipair cable offers high performance wiring for a number of applications including industrial process control, computer peripherals and medical electronics. Shielding and braiding offers options to reduce interference where this is required.

All offer UL and CSA approval, are RoHS compliant and manufactured to ISO9001.



Brand	RS Stock Number	Shield Type	AWG	Sheath Material	Number of Pairs	Core Strands	Outer Diameter (mm)	Voltage Rating (V)	Sheath Colour	Reel Length (m)
	811-7373	Aluminium F/UTP	24	PVC	1	7/0.6mm	3.96	300	Grey	100
	811-7421	Aluminium F/UTP	22	PVC	2	7/0.77mm	4.06	300	Grey	100
	811-7377	Aluminium F/UTP	24	PVC	2	7/0.6mm	5.6	300	Grey	100
	811-7386	Aluminium F/UTP	24	PVC	3	7/0.6mm	5.9	300	Grey	100
	811-7389	Aluminium F/UTP	24	PVC	4	7/0.6mm	6.7	300	Grey	100
	811-7383	Aluminium F/UTP	24	PVC	5	7/0.6mm	7.3	300	Grey	100
	811-7392	Aluminium F/UTP	24	PVC	6	7/0.6mm	7.3	300	Grey	100
	811-7399	Aluminium F/UTP	24	PVC	10	7/0.6mm	9.4	300	Grey	100
	811-7402	Aluminium F/UTP	24	PVC	19	7/0.6mm	11.4	300	Grey	100
	811-7406	Aluminium F/UTP	24	LSZH	1	7/0.6mm	3.96	300	Grey	100
	811-7412	Aluminium F/UTP	24	LSZH	4	7/0.6mm	6.7	300	Grey	100
	811-7415	Aluminium F/UTP	24	LSZH	2	7/0.6mm	5.6	300	Grey	100
	811-7418	Aluminium F/UTP	24	LSZH	3	7/0.6mm	5.9	300	Grey	100
	409-167	SF/UTP	22	PVC	1	7/0.25mm	4.98	300	Grey	30
	409-135	SF/UTP	24	PVC	2	7/0.25mm	6.1	300	Grey	30
	409-189	SF/UTP	22	PVC	3	7/0.25mm	6.93	300	Grey	30
	409-163	SF/UTP	22	PVC	4	7/0.25mm	7.49	300	Grey	30
	409-179	SF/UTP	22	PVC	5	7/0.25mm	8.1	300	Grey	30
	409-185	SF/UTP	22	PVC	6	7/0.25mm	8.74	300	Grey	30
	168-0180	U/UTP	24	PVC	1	7/0.25mm	4.1	300	Grey	100
	195-3062	U/UTP	24	PVC	2	7/0.25mm	5.38	300	Grey	100
	168-0196	U/UTP	24	PVC	3	7/0.25mm	5.69	300	Grey	100
	195-3292	U/UTP	24	PVC	4	7/0.25mm	6.17	300	Grey	30



LAN

LAN cables, otherwise known as Cat or ethernet, are twisted pair cables used for carrying signals in structured computer networking systems.

Used also for telephone and video applications, the twisting of the pairs reduces crosstalk between conductors, as does the level of shielding and braiding.

Different applications are catered for by the various sheath materials, including low smoke types.



Brand	RS Stock Number	Type	Shield Type	Sheath Material	Conductor Strand Type	Standards	Sheath Colour	EuroClass	Reel Length (m)
	557-228	Cat5e	F/UTP	LSZH	Stranded	C G H J Q U	Grey	X	305
	556-869	Cat5e	F/UTP	LSZH	Stranded	O U V	Purple	X	305
	556-865	Cat5e	F/UTP	PVC	Stranded	F K Q U	Grey	X	305
	557-212	Cat5e	F/UTP	PVC	Stranded	O U V	Purple	X	305
	557-159	Cat5e	U/UTP	LSZH	Solid	C G H J Q	Grey	X	305
	557-193	Cat5e	U/UTP	LSZH	Solid	U	Purple	X	305
	557-464	Cat5e	U/UTP	PVC	Solid	I O U	Grey	X	305
	557-470	Cat5e	U/UTP	PVC	Solid	U	Purple	X	305
	556-382	Cat6	F/UTP	LSZH	Solid	N U	Grey	X	305
	556-875	Cat6	F/UTP	LSZH	Stranded	B H M T U	Grey	X	305
	557-474	Cat6	F/UTP	PVC	Solid	N U	Grey	X	305
	556-392	Cat6	F/UTP	PVC	Stranded	C G H J N U	Grey	X	305
	557-121	Cat6	U/UTP	LSZH	Solid	B H M T U	Purple	X	305
	556-304	Cat6	U/UTP	LSZH	Stranded	C G H J N U	Purple	X	305
	557-238	Cat6	U/UTP	PVC	Solid	O U V	Purple	X	305
	556-308	Cat6	U/UTP	PVC	Stranded	A I M U	Purple	X	305
	842-7346	Cat6a	F/FTP	LSZH	Solid	D G H L P U	Blue	Eca	100
	842-7349	Cat6a	F/FTP	LSZH	Stranded	D G H L P U	Blue	Eca	500
	842-7333	Cat6a	U/FTP	LSZH	Solid	D G H L P U	Grey	Eca	100
	842-7337	Cat6a	U/FTP	LSZH	Stranded	D G H L P U	Blue	Eca	500
	811-0849	Cat7	S/FTP	LSZH	Solid	U	Grey	Eca	100
	811-0843	Cat7	S/FTP	LSZH	Solid	U	Grey	Eca	500
	811-0837	Cat7	S/FTP	LSZH	Solid	U	Yellow	Eca	100
	811-0846	Cat7	S/FTP	LSZH	Solid	U	Yellow	Eca	500
	811-0874	Cat7a	S/FTP	LSZH	Solid	U	Grey	Eca	100
	811-0877	Cat7a	S/FTP	LSZH	Solid	U	Grey	Eca	500
	811-0861	Cat7a	S/FTP	LSZH	Solid	U	Yellow	Eca	100
	811-0865	Cat7a	S/FTP	LSZH	Solid	U	Yellow	Eca	500



Key to Standards	
A	ANSI/EIA/TIA 568B.2
B	ANSI/TIA 568-C.2
C	EN 50173
D	EN 50288
E	IEC 61156-5
F	IEC 61935-2
G	ISO/IEC 11801-2
H	ISO/IEC 24702
I	TIA/EIA 568

LAN (Continued)

Brand	RS Stock Number	Type	Shield Type	Sheath Material	Conductor Strand Type	Standards	Sheath Colour	EuroClass	Reel Length (m)
	419-5483	Cat5e	F/UTP	LSZH	Solid	E G N U V	Grey	X	100
	419-5477	Cat5e	F/UTP	PVC	Solid	E G N U V	Grey	Eca	100
	724-8830	Cat5e	SF/UTP	FRNC	Stranded	Q S	Black	Eca	305
	419-5398	Cat5e	SF/UTP	LSZH	Solid	E G N U V	Grey	Dca-s1, a1, d1	100
	724-8842	Cat5e	SF/UTP	PUR	Stranded	G N S U	Black	X	305
	724-8820	Cat5e	SF/UTP	PVC	Solid	E G N U V	Black	Eca	305
	724-8836	Cat5e	SF/UTP	PVC	Stranded	G N S U	Black	Eca	305
	419-5455	Cat5e	U/UTP	PVC	Solid	E G N U V	Grey	Eca	100
	724-8855	Cat7	S/FTP	FRNC	Solid	G R	Black	Dca	305
	724-8852	Cat7	S/FTP	PUR	Stranded	G R	Black	X	305
	724-8846	Cat7	S/FTP	PVC	Solid	G R	Black	Eca	305

Key to Standards	
A	ANSI/EIA/TIA 568B.2
B	ANSI/TIA 568-C.2
C	EN 50173
D	EN 50288
E	IEC 61156-5
F	IEC 61935-2
G	ISO/IEC 11801-2
H	ISO/IEC 24702
I	TIA/EIA 568

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Fibre Optic

For manipulation and transfer of data at high speeds in communication protocols such as ethernet and Token Ring, RS Pro fibre optic cable is available in 3 distribution types: single mode OS1/2 and multi-mode OM1 and OM3.

All are suitable for outdoor and indoor use and are water, fire and rodent resistant. Buffered fibres have a glass yarn protection for added strength.



Brand	RS Stock Number	Sheath Material	Number of Cores	Propogation Mode	Construction	Core Diameter (mm)	EuroClass	Reel Length (m)
RS PRO	123-5714	LSZH	8	OM1 Multi Mode	Loose Tube	6.5	X	250
	123-5717	LSZH	8	OM3 Multi Mode	Loose Tube	6.5	X	250
	123-5715	LSZH	16	OM1 Multi Mode	Loose Tube	6.7	X	250
	123-5718	LSZH	16	OM3 Multi Mode	Loose Tube	6.7	X	250
	123-5720	LSZH	16	Single Mode	Loose Tube	6.7	X	250
	123-5716	LSZH	24	OM1 Multi Mode	Loose Tube	6.7	X	250
	123-5719	LSZH	24	OM3 Multi Mode	Loose Tube	6.7	X	250
	123-5721	LSZH	24	Single Mode	Loose Tube	6.7	X	250
	123-5705	LSZH	8	OM1 Multi Mode	Tight Buffer	5.8	X	250
	123-5708	LSZH	8	OM3 Multi Mode	Tight Buffer	5.8	X	250
	123-5711	LSZH	8	Single Mode	Tight Buffer	5.8	X	250
	123-5706	LSZH	16	OM1 Multi Mode	Tight Buffer	6.7	X	250
	123-5709	LSZH	16	OM3 Multi Mode	Tight Buffer	6.7	X	250
	123-5712	LSZH	16	Single Mode	Tight Buffer	6.7	X	250
	123-5707	LSZH	24	OM1 Multi Mode	Tight Buffer	8.9	X	250
	123-5710	LSZH	24	OM3 Multi Mode	Tight Buffer	8.9	X	250
	123-5713	LSZH	24	Single Mode	Tight Buffer	8.9	X	250
	123-5724	LSZH	12	OM1 Multi Mode	Armoured	8.5	X	250
	123-5726	LSZH	12	OM3 Multi Mode	Armoured	8.5	X	250
	123-5722	LSZH	16	Multi Mode	Armoured	9.2	X	250
	123-5723	LSZH	24	OM1 Multi Mode	Armoured	9.2	X	250
	123-5725	LSZH	24	OM3 Multi Mode	Armoured	9.2	X	250
	123-5727	LSZH	24	Single Mode	Armoured	9.2	X	250

Coaxial: RG / URM / Micro / Coax inc. Power / Twinax

Designed for a variety of communication applications for aerial to CCTV use, coaxial cable is capable of carrying signals over distance and avoiding interference.

Twin, micro and power options are available in a range of sheath materials including zero halogen LSZF.



Brand	RS Stock Number	Coax Style	Coax Type	Sheath Material	Number of Strands	Outer Diameter (mm)	Impedance (Ω)	Capitance (pF/m)	Temperature Range (°C)	Conductor Material	Sheath Colour	Reel Length (m)	
	742-2826	Coax with power	RG59	PVC	16	6 / 5	75	54	0 to 80	Copper	Black	100	
	665-5883	RG	CT100	PVC	1	6.65	75	52.5	0 to 80	Bare Copper	Black	100	
	665-5855	RG	RG174/U	PVC	7	2.6	50	101	0 to 80	Copper Clad Steel	Black	100	
	665-5864	RG	RG178B/U	FEP	7	1.83	50	96.45	-55 to 200	Silver Plated Copper Clad Steel	Brown	100	
	665-5867	RG	RG179B/U	FEP	7	2.54	75	63.65	-55 to 200	Silver Plated Copper Clad Steel	Brown	100	
	665-5899	RG	RG179PE	LSZH	1	2.6	75	54	0 to 80	Tinned Copper	Black	100	
	665-5823	RG	RG179PE	PVC	0	2.6	75	54	0 to 0	Tinned copper	Black	100	
	813-3414	RG	RG188A/U	FEP	7	2.65	50	6	-65 to 150	SCCS (Inner), SPC Wire (Outer)	Brown Transparent	100	
	665-5827	RG	RG213B/U	PVC	0	10.3	50	100	0 to 0	Bare Copper	Black	100	
	665-5873	RG	RG214/U	PVC	7	10.8	50	101	0 to 80	Silver Plated Copper	Black	100	
	665-5836	RG	RG223/U	PVC	7	5.4	50	101	0 to 80	Silver Plated Copper	Black	100	
	665-5877	RG	RG316/U	FEP	7	2.5	50	96.45	-55 to 200	Silver Plated Copper Clad Steel	Brown	100	
	665-5870	RG	RG58C/U	PVC	19	4.95	50	100	0 to 80	Tinned Copper	Black	100	
	665-5886	RG	RG58C/U	LSF	19	4.95	50	100	0 to 80	Tinned Copper	Black	100	
	665-5833	RG	RG59	PVC	1	3.6	75	60	0 to 80	Copper Clad Steel	Black	100	
	665-5861	RG	RG59B/U	PVC	1	6.1	75	67	-20 to 70	Copper Clad Steel	Black	100	
	665-5889	RG	RG59B/U	LSF	1	6.1	75	67	-20 to 80	Copper Clad Steel	Black	100	
	913-5073	Shotgun	RG6	PVC	2	4.85 , 10.7	75	48	0 to 70	Copper Clad Steel	Black	100	
	913-5085	Shotgun	RG6	PVC	2	4.85 , 10.7	75	48	0 to 70	Copper Clad Steel	White	100	
	665-5858	URM	URM43	PVC	1	5	50	105	-20 to 80	Bare Copper	Black	100	
	665-5845	URM	URM67	PVC	7	10.3	50	100	0 to 80	Bare Copper	Black	100	
	665-5849	URM	URM76	PVC	7	5	50	100	0 to 80	Bare Copper	Black	100	
		122-2315	Micro	Micro Coax	PFA	7	0.99	50	110.2	-70 to 200	Silver Plated Copper	White	100
		122-2316	Micro	Micro Coax	PFA	7	0.53	50	110.2	-70 to 150	Silver Plated Copper	White	100
		122-2314	Micro	Micro Coax	PFA	7	1.12	50	110.2	-70 to 200	Silver Plated Copper	White	100
122-2319		Micro	Micro Coax	PFA	7	0.3	50	110.2	-70 to 150	Silver Plated Copper	White	100	
122-2322		Micro	Micro Coax	PFA	7	0.18	50	110.2	-70 to 200	Silver Plated Copper	White	100	

Coaxial: RG / URM / Micro / Coax inc. Power / Twinax (continued)

Brand	RS Stock Number	Coax Style	Coax Type	Sheath Material	Number of Strands	Outer Diameter (mm)	Impedance (Ω)	Capitance (pF/m)	Temperature Range (°C)	Conductor Material	Sheath Colour	Reel Length (m)
	122-2317	Micro	Micro Coax	PFA	7	0.46	50	110.2	-70 to 150	Silver Plated Copper	White	100
	122-2320	Micro	Micro Coax	PFA	7	0.25	50	110.2	-70 to 150	Silver Plated Copper	White	100
	126-5107	RG	RG174/U	PVC	7	2.5908	50	101.024	-40 to 80	Bare Copper Steel Coated	Black	304
	156-8024	RG	RG178B/U	EFF	1	1.8	50	93.1	-20 to 60	Silver Plated Copper	Transparent	30
	176-9750	RG	RG196A/U	PTFE	7	1.905	50	29.3	-55 to 200	Silver Plated Copper Clad Steel	White	30
	126-5696	RG	RG213/U	PVC	7	10.287	50	101.024	-40 to 80	Bare Copper	Black	30
	168-3123	RG	RG59B/U	PVC	1	6.15	75	67.24	-20 to 60	Bare Copper	Black	304
	168-2962	RG	RG62A/U	PVC	1	6.15	93	43.3	-20 to 80	Bare Copper	Black	304
	510-2139	Coax with power	RG59	FRNC	1/7	5.9 /11.7	75	54.3	-35 to 70	Bare Copper	Grey	100
	521-8206	RG	RG174/U	PVC	7	2.79	50	101	-40 to 75	Bare Copper Clad Steel	Black	50
	521-7944	RG	RG178PE	PVC	7	1.8	50	104.9	-10 to 80	Silver Plated Copper Clad Steel	Black	100
	521-7966	RG	RG179	PVC	7	2.8	75	64	-30 to 70	Silver Plated Copper Clad Steel	Black	100
	521-7972	RG	RG213	PVC	7	10.3	50	101	-40 to 80	Bare Copper	Black	100
	521-8408	RG	RG214/U	PVC	7	10.8	50	101	-40 to 80	Silver Plated Copper	Black	100
	521-7994	RG	RG223	PVC	1	5.39	50	101	-40 to 60	Silver Plated Copper	Black	100
	521-7900	RG	RG58	PVC	19	4.95	50	101	-40 to 85	Tinned Copper	White	100
	521-8436	RG	RG58/C/U	LSZH	19	4.95	50	100	-30 to 70	Tinned Copper	Black	100
	521-8076	RG	RG59	PVC	1	4.15	75	67.3	-40 to 85	Bare Copper Clad Steel	Black	100
	413-295	RG	RG59/U	PVC	7	6.1468	75	55.76	-35 to 75	Bare Copper	Black	305
	331-9199	RG	RG59/U	PVC	7	6.1214	75	56.744	-40 to 80	Bare Copper	Black	152
	521-8262	RG	RG59B/U	PVC	1	6.15	75	67.3	-40 to 60	Bare Copper Clad Steel	Black	100
	521-8464	RG	RG59B/U	LSZH	1	6.15	75	67	-30 to 70	Copper Clad Steel	Black	100
	413-213	RG	RG6	LSZH	1	6.99	75	53	-30 to 70	Annealed Copper	Black	305
	331-9278	RG	RG8/U	PVC	1	10.287	50	80.688	-40 to 80	Bare Copper	Black	152
	331-8865	Twinax	Twinax	PVC	7	6.172	78	118	-40 to 80	Tinned Copper	Blue	152
	382-548	Twinax	Twinax	PVC	7	8.382	100	75.463	-30 to 75	Tinned Copper, Bare Copper	Black	152
	521-8183	URM	URM43	PVC	1	5	50	98	-40 to 70	Annealed Copper	Black	100
	521-8127	URM	URM67	PVC	7	10.3	50	98	-30 to 70	Bare Copper	Black	50
521-8199	URM	URM70	PVC	7	5.8	75	67	-40 to 70	Tinned Copper	Black	100	
521-8177	URM	URM76	PVC	7	5	50	98	-40 to 70	Tinned Copper	Black	100	
	235-5419	RG	RG178	LSZH	7	1.8	50	98	-30 to 105	Silver Plated Copper Clad Steel	Black	100
	235-5425	RG	RG179	LSZH	7	2.64	75	65	-30 to 105	Silver Plated Copper Clad Steel	Black	100
	235-5453	RG	RG400	LSZH	19	5.08	50	98	-30 to 105	Silver Plated Copper	Black	100