



ENGLISH

Datasheet

Stock No. From 1853988 to 1854012 (Details see below)

RS PRO Plain Annealed Copper Conductor / XLPE Insulated / PVC Bedded / Galvanised Steel Wire Armour / PVC Sheathed. 600/1000V

Manufactured to BS 5467 Table 6 (2 Core) Table 8 (3 Core) Table 10 (4 Core) Table 13 (5 Core)

Conductor :	Plain Annealed Copper Class 2 Stranded to BS EN 60228
Insulation:	Thermosetting XLPE Type GP8 to BS 7655-1.3
Bedding:	Compatible Polymeric Material (PVC)
Steel Wire Armour:	Galvanised Steel Wire
Sheathing:	PVC Type 9 to BS 7655-4.2
Current Ratings:	For current ratings refer to table 4E4A of BS7671 IEE Wiring Regulations Seventeenth Edition.

Steel Wire Armoured cables are predominantly used for industrial wiring and mains distribution. They are designed to be used in industrial areas, in and around buildings and other similar environments.

These cables are designed to be installed in air, clipped to surface, on cable tray/ladder work, embedded in concrete and buried direct or in ducting underground

STANDARD CORE COLOURS



MINIMUM OPERATING TEMPERATURE

-15°C

MAXIMUM OPERATING TEMPERATURE

90°C

MINIMUM BENDING RADIUS

8 x Ø

XLPE / PVC / SWA / PVC

Reference Number	Number and Nominal Cross Sectional Area of Conductors (mm ²)	Nominal Stranding of Conductor (mm)	Nominal Thickness of Insulation (mm)	Nominal Thickness of Extruded Bedding (mm)	Nominal Steel Armour Wire Diameter (mm)	Nominal Thickness of Oversheath (mm)	Approximate Overall Diameter (mm)	Approximate Weight (kg/ km)	Recommended Gland Size
	2 x 1.5	7/0.53	0.6	0.8	0.9	1.3	11.0	240	20S
1853988	2 x 2.5	7/0.67	0.7	0.8	0.9	1.4	12.6	260	20S
1853989	2 x 4.0	7/0.85	0.7	0.8	0.9	1.4	13.4	340	20S
1853992 1853993	2 x 6.0	7/1.04	0.7	0.8	0.9	1.4	13.7	400	20S
1853995	2 x 10.0	7/1.35	0.7	0.8	0.9	1.5	16.4	620	20
1853996 1853997	2 x 16.0	7/1.70	0.7	0.8	1.25	1.5	20.0	780	25
	2 x 25.0	7/2.14	0.9	0.8	1.25	1.6	23.8	1000	25
	2 x 35.0	7/2.52	0.9	1.0	1.6	1.7	27.7	1350	32
	2 x 50.0	COMPACTED	1.0	1.0	1.6	1.8	25.8	1700	25
	3 x 1.5	7/0.53	0.6	0.8	0.9	1.3	11.9	260	20S
	3 x 2.5	7/0.67	0.7	0.8	0.9	1.4	12.6	320	20S
	3 x 4.0	7/0.85	0.7	0.8	0.9	1.4	13.6	440	20S
1853998	3 x 6.0	7/1.04	0.7	0.8	0.9	1.4	14.9	610	20
1853999	3 x 10.0	7/1.35	0.7	0.8	1.25	1.5	18.3	840	20
1854001 1854002	3 x 16.0	7/1.70	0.7	0.8	1.25	1.6	20.4	1075	25
	3 x 25.0	7/2.14	0.9	1.0	1.6	1.7	25.2	1450	32
	3 x 35.0	7/2.52	0.9	1.0	1.6	1.8	28.8	1850	32
	3 x 50.0	COMPACTED	1.0	1.0	1.6	1.8	28.5	2300	32
	3 x 70.0	COMPACTED	1.1	1.0	1.6	1.9	32.2	3125	32
	3 x 95.0	COMPACTED	1.1	1.2	2.0	2.1	37.0	4250	40

* Weight and dimensional information is provided as an approximate guide only.

XLPE / PVC / SWA / PVC

Reference Number	Number and Nominal Cross Sectional Area of Conductors (mm ²)	Nominal Stranding of Conductor (mm)	Nominal Thickness of Insulation (mm)	Nominal Thickness of Extruded Bedding (mm)	Nominal Steel Armour Wire Diameter (mm)	Nominal Thickness of Oversheath (mm)	Approximate Overall Diameter (mm)	Approximate Weight (kg/km)	Recommended Gland Size
	4x1.5	7/0.53	0.6	0.8	0.9	1.3	12.1	290	20S
	4x2.5	7/0.67	0.7	0.8	0.9	1.4	13.5	370	20S
	4x4.0	7/0.85	0.7	0.8	0.9	1.4	14.7	590	20
	4x6.0	7/1.04	0.7	0.8	1.25	1.5	16.6	680	20
	4x10.0	7/1.35	0.7	0.8	1.25	1.5	20.5	960	25
	4x16.0	7/1.70	0.7	0.8	1.25	1.6	22.8	1400	25
	4x25.0	7/2.14	0.9	1.0	1.6	1.7	27.8	1900	32
	4x35.0	7/2.52	0.9	1.0	1.6	1.8	31.0	2400	32
	4x50.0	COMPACTED	1.0	1.0	1.6	1.9	32.0	2775	32
	4x70.0	COMPACTED	1.1	1.2	2.0	2.1	37.7	4050	40
	4x95.0	COMPACTED	1.1	1.2	2.0	2.2	41.7	5300	50
	4x120.0	COMPACTED	1.2	1.4	2.5	2.3	47.1	6950	50
	4x150.0	COMPACTED	1.4	1.4	2.5	2.4	51.4	8275	50
	4x185.0	COMPACTED	1.6	1.4	2.5	2.6	56.6	10025	63
	4x240.0	COMPACTED	1.7	1.6	2.5	2.7	63.0	12625	63
	4x300.0	COMPACTED	1.8	1.6	2.5	2.9	68.8	15323	75
	4x400.0	COMPACTED	2.0	1.8	3.15	3.2	78.1	21850	75
1854004	5x1.5	7/0.53	0.6	0.8	0.9	1.4	12.8	433	20S
1854005	5x2.5	7/0.67	0.7	0.8	0.9	1.4	14.5	530	20S
	5x4.0	7/0.85	0.7	0.8	0.9	1.5	16.8	775	20
1854007 1854008	5x6.0	7/1.04	0.7	0.8	1.25	1.5	17.9	929	25
1854009 1854010	5x10.0	7/1.35	0.7	0.8	1.25	1.6	21.6	1300	25
1854011 1854012	5x16.0	7/1.70	0.7	1.0	1.6	1.7	26.3	1880	25
	5x25.0	7/2.14	0.9	1.0	1.6	1.8	30.9	2670	40

* Weight and dimensional information is provided as an approximate guide only.