

Served Wire Armour Thermocouple Extension Cable

Steel wire armoured cable, commonly known as **SWA** cable, is a type of electrical cable used for power transmission and distribution. It is designed to provide mechanical protection and enhance the durability of the cable in harsh environments.

Product Specifications

Conductors: Solid thermocouple extension wire per ASTM E230 & ANSI MC96.1

20AWG, 0.81 dia | 16AWG, 1.29mm dia

Calibration Types: K, J, T, R, S N

Insulation : Nominal 0.40 flame retardant PVC

Colour Code: Per ASTM E230 & ANSI MC96.1, numbered on positive conductor (other colours available)

Construction: Twisted Pairs

Individual Shield: 0.03mm aluminium polyester tape, 25% overlap

Pair Drain Wire: 22 AWG 7-strand tinned copper

Communication Wire: 22 AWG, 7-strand copper insulated with nominal 0.38mm orange PVC (4 pair and larger).

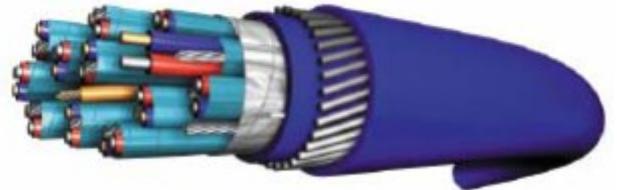
Cable Shield: 0.05 aluminium/polyester tape, 25% overlap

Cable Drain Wire: 20 AWG 7-strand tinned copper

Inner Jacket: Flame retardant PVC with ripcord under jacket

Armour: Galvanized steel served wire. 80% nominal coverage

Outer Jacket: Flame retardant PVD ripcord under jacket



Dimensions for 20 AWG Solid Conductors

No. of pairs	Outer Jacket Thickness (mm)	Outer Diameter (mm)	Bend Radius (mm)	Pull Tension (kg)	Net Weight (Kg / km)
1	0.94	8.8	106	25	132
4	1.07	13.5	162	65	297
8	1.35	17.2	206	113	466
12	1.35	19.8	237	172	664
16	1.63	22	264	212	790
24	1.63	25.4	303	286	1073

Dimensions for 16AWG Solid Conductors

No. of pairs	Outer Jacket Thickness (mm)	Outer Diameter (mm)	Bend Radius (mm)	Pull Tension (kg)	Net Weight (Kg / km)
1	1.35	10.4	124	43	181
4	1.63	16.9	203	128	479

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