

Fire Alarm Shielded Cables 300V - 105 °C

Application:

Used for interconnection of electrical devices within a security & fire protective signaling system. For use in dry or damp locations.

APPLICABLE STANDARDS

TechLine/Amwaj Fire Alarm Shielded Cables are designed and tested to meet or exceed the requirements of UL1424 standard. However, **TechLine/Amwaj** can also supply a range of alternative designs to meet customer-specified requirements.

Specification:

Conductor

Solid annealed copper conductor according to UL 1581.

Insulation:

Solid extruded PVC insulation with rating 105 °C at normal operation.

Core Identification

The insulated cores will be Red and Black

Additional colors are made per request subject to factory minimum order quantities

Assembly

The two insulated cores are uniformly twisted together to form the cable core.

Shield

Shielded with Aluminum/Polyester foil with an overlap which provides 100 % cable coverage, necessary for electrostatic shield protection will apply on assembly cores, also more effective in RF ranges and reduction of crosstalk. The Aluminum/Polyester foil is in electrical contact with stranded tinned annealed copper drain which is used to make termination easily and to ground electrostatic discharges.

Sheath

Solid extruded Flame Retardant PVC sheath with rating 90 °C at normal operation with Red color (LSZH - available)

Packing

Available in standard length of 1000 meters on wooden drum
(Other lengths are available upon request)

Marking

TechLine Fire alarm Shielded Cable 2*14 AWGCU / PVC/OS/PVC 300 V

Technical Data:

Size	Max. Wire Diam.	Max. DC conductor Resistance.	Insulation Thickness	Sheathing Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
(AWG)	(MM)	(ohm/km at 20C °c)	(MM)	(MM)	(MM)	(Kg/km)	Ampere (Air)	Ampere (Conduit)	Item Code
18	1.02	21.9	0.4	1.1	6	60	6	4	FLR2c18
16	1.29	13.7	0.4	1.1	6.5	70	8	6	FLR2c16
14	1.63	8.45	0.52	1.3	7.8	110	25	20	FLR2c14
12	2.05	5.31	0.52	1.3	8.7	138	30	25	FLR2c12

