Application:

Used for power supply networks with light mechanical stress and suitable to nail with its PVC Bridge between cores. On or under plaster - In dry locations, Indoors - For power supply networks with light mechanical stress. - Suitable to nail with its PVC Bridge between cores.

Applicable Standards:

Flat cables are designed and tested to meet or exceed the requirements of BS 6004 standard. However, can also supply a range of alternative designs to meet customer requirements.

Specification:

Conductor

Stranded annealed copper conductor class 2 according to BS EN 60228

Insulation:

Solid extruded PVC insulation with rating 105 °C at normal operation according to BS EN 50363-3 type TI1.

Core Identification:

Core identification will be as follow:

Two cores : Red and Black

Three cores : Red, Yellow and Blue

Sheath:

Solid extruded Flame Retardant PVC sheath with rating 70 °C at normal operation according to BS 7655 PVC Type 6.

Flame retardancy:

Flat cables have been tested and approved with the flame performance standards BS EN 60332-1.

Packing:

Available in standard lengths of 100, 80 yards coils (Other lengths available on request)

Technical Data:

Number of cores	Size	Construction	Max. DC conductor Resistance.	Insulation Thickness	Sheath Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
No.	MM2	No. x MM	(ohm/km at 20C °c)	(MM)	(MM)	(MM)	(Kg/km)	Ampere (Air)	Ampere (Conduit)	Item Code
2	1.5	7 x 0.52	12.1	0.7	0.9	4.78 x 7.79	74	17	14	PVHV500ST-2*1.5
3					0.9	4.78 x 10.68	103			PVHV500ST-3*1.5
2	2.5	7 x 0.65	7.41	0.8	1.00	5.59 x 9.1	114	24	19	PVHV500ST-2*2.5
3					1.0	5.59 x 12.78	158			PVHV500ST-3*2.5
2	4	7 x 0.85	4.61	0.8	1.0	6.15 x 10.25	154	31	24	PVHV500ST-2*4
3					1.1	6.15 x 14.78	223			PVHV500ST-3*4
2	6	7 x 1.04	3.08	0.8	1.1	6.88 x 11.57	207	40	31	PVHV500ST-2*6
3					1.1	6.88 x 16.37	302			PVHV500ST-3*6

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 Unshielded 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

Assembly:

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

Sheath:

Solid extruded Flame Retardant PVC sheath with rating 90 °C at normal operation with Red Color

Packing:

Available in standard length of 1000 meters on wooden drum

(Other lengths are available upon request)

Marking:

TechLine Fire alarm Unshielded Cable 2*14 AWG CU/PVC/PVC 300 V

TECHNICAL DATA:

Size	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	5.8	55	6	4	FLR2c18
16	1.29	13.7	0.4	1.1	6.4	68	8	6	FLR2c16
14	1.63	8.45	0.52	1.3	7.8	103	25	20	FLR2c14
12	2.05	5.31	0.52	1.3	8.5	116	30	25	FLR2c12