

Indoor Switchboarded Pair Cable

Application

Switchboard Cables are designed for indoor use in central exchanges, the interconnection of distribution frames, and for switching and transmission equipment systems. Digital Access such as ISDN and ADSL unbundling. This version without braid is optimized for easy connecting.

Features

- ▶ Aluminum foil shield.
- ▶ Tinned copper drain wire.
- ▶ Every master reel is tested to ensure electrical performance compliance
- ▶ Suitable for horizontal and riser installations.
- ▶ RoSH Compliant

Physical Specifications

Conductor Size & Material Type	24 AWG Solid Bare Copper
Insulation Material Type Thickness	PE 0.25 mm
No. of Pair / Coverage Type	10 to 200 Pair / Polyester Tape Aluminum Foil Tape & Non-Conductive Water Blocking Tape
Cable Jacket Type	PVC / LSZH

Pair Identification

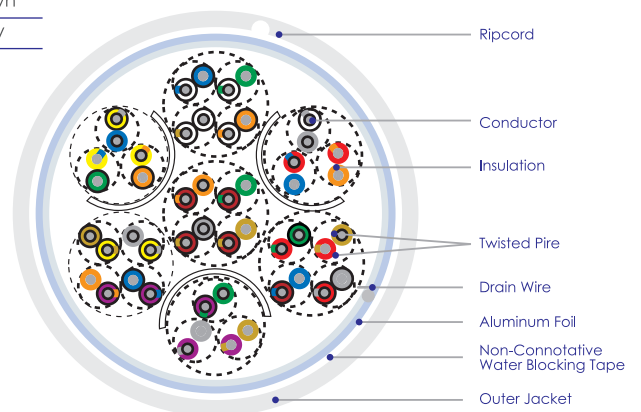
Pair 1	White/Blue	Pair 11	Black/Blue	Pair 21	Violet/Blue
Pair 2	White/Orange	Pair 12	Black/Orange	Pair 22	Violet/Orange
Pair 3	White/Green	Pair 13	Black/Green	Pair 23	Violet/Green
Pair 4	White/Brown	Pair 14	Black/Brown	Pair 24	Violet/Brown
Pair 5	White/Grey	Pair 15	Black/Grey	Pair 25	Violet/Grey
Pair 6	Red/Blue	Pair 16	Yellow/Blue		
Pair 7	Red/Orange	Pair 17	Yellow/Orange		
Pair 8	Red/Green	Pair 18	Yellow/Green		
Pair 9	Red/Brown	Pair 19	Yellow/Brown		
Pair 10	Red/Grey	Pair 20	Yellow/Grey		

Temperature Range

During Installation	-10°C up to +60°C
During Operating	-10°C up to +60°C



INDOOR SWITCHBOARDS PAIR CABLE



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Electrical Specifications

Nominal Conductor diameter	mm	0.51
Conductor Gauge Size	AWG	24
Maximum Conductor Resistance @20°C	Ω/ km	91
Maximum Insulation Resistance @500V DC	MΩ/ km	8000
Maximum Average Resistance Unbalance	%	2
Maximum Average Mutual Capacitance @1000Hz	nF/km	46
Maximum Capacitance Unbalance @1KHz Pair to Pair	nF/500m	45
Impedance @200KHz	Ω	120 +/-24
Impedance @1000KHz	Ω	120 +/-12
Attenuation @51KHz	dB/km	6.5
Attenuation @128KHz	dB/km	7.2
Attenuation @256KHz	dB/km	9.5
Attenuation @512KHz	dB/km	12.5
Attenuation @768KHz	dB/km	15.5
Attenuation @1024KHz	dB/km	19.0
Attenuation @1280KHz	dB/km	21
Attenuation @1536KHz	dB/km	22.2
Min NEXT Pair-to-Pair @1000KHz	dB	62
Dielectric Strength Conductor to Conductor (3 Secs)	V DC	500

Standard Compliances

- Bezeq Specification 74.7 (except screen)
- IEC 60227-1
- IEC 60332-19

Order Information

Part No	No. of Pairs	Type of Cable	Size of Conductor	Type of Jacket	Standard Length
CS-TPIF05-10	10	Indoor Switchboarded Cable	24AWG/0.51mm	PVC / LSZH	1000M/Reel
CS-TPIF05-20	20	Indoor Switchboarded Cable	24AWG/0.51mm	PVC / LSZH	1000M/Reel
CS-TPIF05-32	32	Indoor Switchboarded Cable	24AWG/0.51mm	PVC / LSZH	1000M/Reel
CS-TPIF05-50	50	Indoor Switchboarded Cable	24AWG/0.51mm	PVC / LSZH	1000M/Reel
CS-TPIF05-100	100	Indoor Switchboarded Cable	24AWG/0.51mm	PVC / LSZH	1000M/Reel