

Switchboard 85 and Shielded Switchboard 85



Product Description

Switchboard Cables are designed for indoor use in central exchanges, the interconnection of distribution frames, and for switching and transmission equipment systems. Switchboard cables are available in both shielded and unshielded designs.

Applications

- T1/DS1
- T1C/DS1C

Features

- Aluminum foil shield
- Tinned copper drain wire
- Tinned copper conductors
- CMR listed
- Rip cord
- Band marked

Benefits

- EMI isolation
- Easier termination and superior grounding
- Minimize change in wire-wrap joint resistance
- Suitable for horizontal and riser installations
- Added ease of jacket removal
- Easy identification of conductor ring mates

Specifications	
Conductor	Tinned copper
AWG (mm)	24 (0.5)
Insulation	PVC
Jacket	Gray PVC
Jacket Marking	Printed at 2 foot intervals on the jacket; information includes product identification, pair count, UL information and sequential lengths in feet and meters
Shield	Aluminum/polyester (if applicable)
Package	Reel
Standards Compliance	UL 444 CMR 2005/717/EC RoHS-compliant

Shielded Switchboard (SSWBD)	
• Aluminum foil shield	• EMI isolation
• Tinned copper drain wire	• Easier termination and superior grounding
• Tinned copper conductors	• Minimize change in wire-wrap joint resistance
• CMR listed	• Suitable for horizontal and riser installations
• Rip cord	• Added ease of jacket removal
• Band marked	• Easy identification of conductor ring mates

Unshielded Switchboard (SWBD)	
• Tinned copper conductors	• Minimize change in wire-wrap joint resistance
• CMR listed	• Suitable for horizontal and riser installations
• Rip cord	• Added ease of jacket removal
• Band marked	• Easy identification of conductor ring mates

Part Numbers and Physical Characteristics				
Part Number	Pair Count	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)
Shielded Switchboard (SSWBD)				
02-201-61	25	0.35 (8.9)	88 (131)	1,000 (305)
02-097-61	25	0.35 (8.9)	88 (131)	5,000 (1,524)
02-203-61	25	0.35 (8.9)	88 (131)	2,000 (610)
02-098-61	32	0.41 (10)	113 (168)	5,000 (1,524)
02-100-61	50	0.48 (12)	167 (249)	5,000 (1,524)
02-104-61	100	0.63 (16)	314 (467)	5,000 (1,524)
Unshielded Switchboard (SWBD)				
02-840-10	6	0.18 (4.6)	22 (33)	1,000 (305)
02-810-10	6	0.18 (4.6)	22 (33)	5,000 (1,524)
02-841-10	12	0.24 (6.1)	41 (61)	1,000 (305)
02-811-10	12	0.24 (6.1)	41 (61)	5,000 (1,524)
02-431-10	25	0.31 (7.9)	79 (118)	1,000 (305)
02-815-10	25	0.31 (7.9)	79 (118)	5,000 (1,524)
02-832-10	32	0.36 (9.1)	100 (149)	5,000 (1,524)
02-813-10	50	0.45 (11)	157 (234)	5,000 (1,524)
02-820-10	100	0.60 (15)	302 (449)	5,000 (1,524)

Electrical Specifications				
Product	Conductor DC Resistance @ 68°F (20°C) Maximum Individual Ohms/kft (Ohms/km)	Mutual Capacitance Nominal pF/ft (pF/m)	Characteristic Impedance @ 1 MHz Ohms	Attenuation Nominal @ 0.772 MHz @ 68°F (20°C) dB/kft (dB/km)
SSWBD	28.6 (93.8)	20 (66)	85 ± 15	11 (36)
SWBD	28.6 (93.8)	20 (66)	85 ± 15	11 (36)