



ATT-TP-76480-004
24 AWG Unshielded Hardwired Cable (200A “Switchboard” Type)
Issue 3, May 25, 2007

Description: Unshielded Central Office Cable for Hardwired Use between Network Elements and Distribution Frames.

Compliances: UL Listed Type MPR/CMR
GR-137-CORE
NEC 800 Type CMR

Construction:

Conductors: 24 AWG solid tinned annealed copper
Insulation: Solid Polyvinyl Chloride (PVC)
Pairing: Twisting sufficient to meet attenuation and crosstalk requirements
Insulation Color Coding: See Below
Shielding: Not Applicable
Drain Wire: Not Applicable
RipCord: Applied under jacket
Outer Jacket: Gray PVC, minimum thickness 0.015 inch
Outer Jacket Diameter: See Below

Packaging: Available on Reels(minimum 1000 foot product)

Electrical Characteristics:

DC Conductor Resistance(max.): 28.6 Ohms/1000 ft @ 20 degrees C
DC Resistance Unbalance(max.): 5%
Dielectric Strength: 2500 volts DC for two seconds @ 20 degrees C
Insulation Resistance(min.): 300,000 Megohms ft wet @ 20 degrees C
Mutual Capacitance(max.): 20 pF/ft @ 20 degrees C
Attenuation(max.): 6.3 dB/1000 ft @ 0.772 MHz @ 20 degrees C
Characteristic Impedance: 100 +/- 15 Ohms at 1 MHz @ 20 degrees C
Crosstalk: Near End – referenced to 42 dB at 0.772 MHz @ 20 degrees C
Operating Temperature(max.): 60 degrees C
Operating Voltage(max): 300 VDC

Insulation Color Coding:

<u>Pair</u>	<u>Tip</u>	<u>Ring</u>
1	WH-BL	BL-WH
2	WH-OR	OR-WH
3	WH-GR	GR-WH
4	WH-BR	BR-WH
5	WH-SL	SL-WH
6	RD-BL	BL-RD
7	RD-OR	OR-RD
8	RD-GR	GR-RD
9	RD-BR	BR-RD
10	RD-SL	SL-RD
11	BK-BL	BL-BK
12	BK-OR	OR-BK
13	BK-GR	GR-BK
14	BK-BR	BR-BK
15	BK-SL	SL-BK
16	YL-BL	BL-YL
17	YL-OR	OR-YL
18	YL-GR	GR-YL
19	YL-BR	BR-YL
20	YL-SL	SL-YL
21	VI-BL	BL-VI
22	VI-OR	OR-VI
23	VI-GR	GR-VI
24	VI-BR	BR-VI
25	VI-SL	SL-VI

Outer Jacket Diameter:

<u>Pairs</u>	<u>Typical Diameter(in)</u>
4	0.18
6	0.22
12	0.29
16	0.32
25	0.39
50	0.52
100	0.78

