



ATT-TP-76480-005
26 AWG Unshielded Hardwired Cable (800 A 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: 26 AWG solid tinned annealed copper
Insulation: Solid Polyvinyl Chloride (PVC), nominal diameter 0.0315"
Pairing: Twisting sufficient to meet attenuation and crosstalk requirements
Insulation Color Coding: See Below
Binder Colors: See Below
Shielding: Not Applicable
Drain Wire: Not Applicable
RipCord: Applied under jacket
Jacket: PVC, minimum thickness 0.015"

Packaging: Available on Reels

Electrical Characteristics: (@ 20 degrees C)
DC Conductor Resistance(max.): 46.1 Ohms/1000 ft
DC Resistance Unbalance(max.): 5%
Dielectric Strength: 2500 volts DC for two seconds
Insulation Resistance(min.): 300,000 Megohms ft wet
Mutual Capacitance(max.): 20 pF/ft
Capacitance Unbalance Pair to Pair(max.): 70 pF/1000 ft
Capacitance Unbalance Pair to Ground(max.): 800 pF/1000 ft
Attenuation(max.): 7.8 dB/1000 ft @ 0.772 MHz
Characteristic Impedance: 100 +/- 15 Ohms @ 1 MHz

Crosstalk(min.): Near End – 42 dB/1000 ft @ 0.772 MHz
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

Unit Binder Colors:

	<u>Outer Unit</u>	<u>Center Unit</u>			
<u>Cable</u>	<u>White Binder</u>	<u>Blue Binder</u>			
28 Pair	Pairs 1 – 25	Pairs 1 – 3			
32 Pair	Unit 1: Blue Binder, Pairs 1-16 Unit 2: Orange Binder, Pairs 1-16				
	<u>Blue Unit-1</u>	<u>Orange Unit-1</u>	<u>Green Unit</u>		
50 Pair	Pairs 1 – 20	Pairs 1 – 20	Pairs 1 - 10		
	<u>Blue Unit</u>	<u>Orange Unit</u>	<u>Green Unit</u>	<u>Brown Unit</u>	<u>Slate Unit</u>
100 Pair	Pairs 1 – 20	Pairs 1 – 20	Pairs 1 – 20	Pairs 1 – 20	Pairs 1 - 20

Outer Jacket Diameter:

<u>Pairs</u>	<u>Typical Diameter(in)</u>
4	0.15
25	0.32
50	0.43
100	0.61

