

Product Description

BBD Category 5e Outside Plant (OSP) cables are designed to provide extension of the LAN beyond the premises. The core is filled with PFM™ thixotropic filling compound to prevent water ingress. PFM™ gel will not drip even in cell tower applications at elevated temperatures. A variety of constructions are available to suit multiple environmental needs. All designs are suitable for buried applications.

Applications

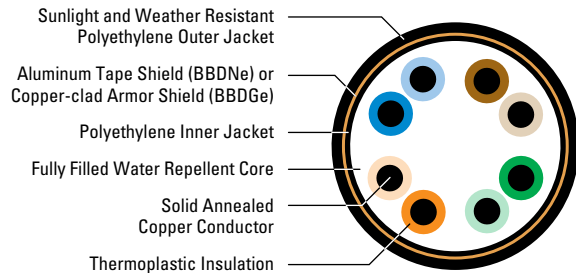
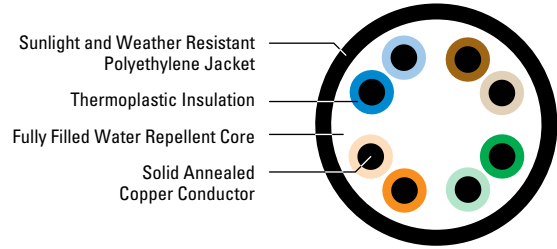
- 10BASE-T through 1000BASE-T ethernet
- ATM and token ring
- WiMAX cell towers
- BBDNe: Lashed aerial, underground conduit or low-risk direct burial
- BBDGe: Direct burial where additional mechanical protection is required

Features

- CAT 5e transmission performance characterized to 350 MHz
- Metallic shield tapes (Aluminum for BBDNe and Copper-clad armor for BBDGe)
- Fully filled with PFM™ thixotropic gel
- UV/Sunlight resistant black jacket
- BBDNe: Unshielded
- BBDNe: Aluminum tape shield
- BBDGe: Copper-clad armor shield
- ColorTip™ circuit identification system
- Dry water block between shield and core

Benefits

- OSP rated cable connections for work area and backbone LAN
- Provides additional protection against EMI/RFI and rodents
- Prevents intrusion of moisture that can degrade transmission quality
- Easy to clean and non-dripping
- Confidence that cable will last even with long-term exposure to direct sunlight
- Small, robust design for unshielded applications
- Protection against EMI/RFI
- Protection against EMI/RFI and provides rodent resistance
- Easily identifiable conductor mates even in low light environments
- Prevents water ingress, yet easy to clean



Specifications	
Pair Count	4
Conductor	Solid annealed copper
AWG (mm)	24 (0.51)
Filling Compound	PFM™ thixotropic gel
Insulation	Solid polyolefin
Shield	BBDNe: Unshielded BBDNe: Electrically continuous 0.008 in (0.20 mm) polymer coated smooth aluminum tape, applied with an overlap BBDGe: Electrically continuous 0.005 in (0.13 mm) corrugated copper-clad armor, applied with an overlap shield and flooded with a flooding compound
Jacket	Black, sunlight and weather resistant polyethylene
Characteristic Impedance (Ohms)	100 ± 15
Nominal Velocity of Propagation (%)	62
Performance Compliance	ANSI/TIA-568-C.2 ANSI/ICEA S-107-704-2006 RoHS-compliant

Part Numbers and Physical Characteristics						
Part Number	Product Code	Shield	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package	
04-001-58	BBDNe	None	0.26 (6.6)	30 (45)	1,000' Plywood Reel	
04-002-58	BBDNe	None	0.26 (6.6)	30 (45)	2,500' Plywood Reel	
04-003-58	BBDNe	None	0.26 (6.6)	30 (45)	5,000' Plywood Reel	
04-601-58	BBDNe	None	0.26 (6.6)	30 (45)	Cut to Length	
04-001-54	BBDNe	Coated Aluminum	0.36 (9.1)	55 (82)	1,000' Plywood Reel	
04-002-54	BBDNe	Coated Aluminum	0.36 (9.1)	55 (82)	2,500' Plywood Reel	
04-003-54	BBDNe	Coated Aluminum	0.36 (9.1)	55 (82)	5,000' Plywood Reel	
04-601-54	BBDNe	Coated Aluminum	0.36 (9.1)	55 (82)	Cut to Length	
04-001-55	BBDGe	Copper Clad	0.36 (9.1)	64 (95)	1,000' Plywood Reel	
04-002-55	BBDGe	Copper Clad	0.36 (9.1)	64 (95)	2,500' Plywood Reel	
04-003-55	BBDGe	Copper Clad	0.36 (9.1)	64 (95)	5,000' Plywood Reel	
04-601-55	BBDGe	Copper Clad	0.36 (9.1)	64 (95)	Cut to Length	