Buried Distribution Wire

BCBD

PRODUCT DESCRIPTION

BCBD Wire with foam skin insulation is a single jacketed design for use in subscriber distribution.

FEATURES	BENEFITS
• Varied pair twist lays	• Minimizes crosstalk and meets capacitance unbalance limitations
• Core wrap	• Furnishes mechanical and high dielectric protection between shielding and individual conductors
• Polyethylene jacket	• Provides a tough, flexible protective covering that withstands exposure to sunlight, atmospheric temperatures, ground chemicals and stresses expected in standard installations

SPECIFICATIONS

Conductor	Solid annealed copper
AWG (mm)	22 (0.64)
Insulation	Dual-extruded cellular inner layer and a color coded solid outer layer of polyolefin
Core Assembly	Insulated conductors are twisted to form pairs with varying lays
Filling Compound	PEPJ compound applied to the wire core which completely coats each insulated conductor and fills the interstices between pairs
Core Wrap	Non-hygroscopic core wrap applied over the core
Flooding Compound	Applied to fill all the voids under the shield
Shield	Electrically-continuous 8 mil flat aluminum tape shield with a polyolefin film fused and chemically bonded to both sides; applied longitudinally over the core and bonded to the outer jacket
Jacket	Black medium-density polyethylene
Standards Compliance	RoHS-compliant

ELECTRICAL SPECIFICATIONS

	Capacitance Unbalance Maximum Individual	
Average Mutual Capacitance @ 1000 Hz nF/mile (nF/km)	Pair to Pair pF @ 1 kft (pF @ 1 km)	Pair to Ground pF @ 1 kft (pF @ 1 km)
90 (56)	80 (145)	800 (2,625)

					Dielectric Strength DC Potential – Volts Minimum	
Conductor Size AWG (mm)	Minimum Insulation Resistance @ 60°F (16°C) gigohm-mile (gigohm-km)	Maximum Average Attenuation 772 kHz @ 68°F (20°C) dB/kft (dB/km)	Maximum Conductor Resistance @ 68°F (20°C) Ohms/sheath kft (km)	Resistance Unbalance Maximum % Individual Pair	Conductor to Conductor	Conductor to Shield
22 (0.64)	1.0 (1.6)	4.5 (14.8)	17.3 (56.6)	5.0	3,600	10,000

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number	Pair Count	AWG (mm)	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Package
85-235-06	4	22 (0.64)	0.30 (7.6)	45 (65)	1,640 (500)	Reel
85-233-06	4	22 (0.64)	0.30 (7.6)	45 (65)	4,593 (1,400)	Reel
85-234-06	4	22 (0.64)	0.30 (7.6)	45 (65)	656 (200)	Coil

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RoHS
Rev 1/12 Ed 11.0