BDW A

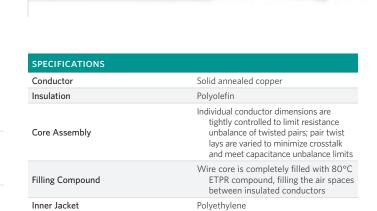
PRODUCT DESCRIPTION

BDW A is a filled, double-jacketed buried wire intended for direct burial applications. Applications include distribution circuits and service entrance wires. BDW A is designed to withstand installation stresses. BDW A is filled with an ETPR compound, which completely coats each insulated conductor and fills the air space between conductors. BDW A is recommended for non-gopher areas. Each conductor is insulated with solid polyolefin in distinctive colors. The insulation of the tip conductor is marked with a stripe of the mating ring insulation color to reduce the possibility of splitting pairs during installation.

APPLICATIONS

- Direct burial
- Distribution circuits and service entrance wires

FEATURES	BENEFITS
Polyethylene inner jacket	 Provides additional mechanical and moisture protection
Polyethylene outer jacket	Provides tough, flexible, protective covering that withstands exposure to sunlight, atmospheric temperatures, ground chemicals and stresses expected in standard installations
 Dual rip cords 	 Facilitates jacket removal



Smooth, copolymer-coated, 8 mil aluminum tape applied longitudinally

Black, polyethylene

RoHS-compliant

ANSI/ICEA S-86-634-2011

over inner jacket and bonded to outer jacket; space under the tape

is flooded to eliminate all air space

ELECTRICAL SPECIFICATIONS			
All Pairs	Average Mutual Capacitance @ 1000 Hz nF/mile (nF/km)		
Maximum Individual	94 (58)		
Wire Average	83 ± 7 (52 ± 4)		

Shield

Outer Jacket

Standards Compliance

Minimum Insulation Resistance Conductor Size @ 68°F (20°C) AWG (mm) megohm-mile (megohm-km)	Minimum Insulation Resistance	Maximum Average Attenuation	Maximum Conductor Resistance	DC Resistance Unbalance	Dielectric Strength Minimum Volts DC	
	772 kHz @ 68°F (20°C) dB/kft (dB/km)	@ 68°F (20°C) Ohms/mile (Ohms/km)	Maximum % Individual Pair	Conductor to Conductor	Conductor to Shield	
19 (0.90)	1,000 (1,600)	3.1 (10.2)	45 (28.0)	5.0	7,000	20,000
22 (0.64)	1,000 (1,600)	4.4 (14.4)	91 (56.4)	5.0	5,000	20,000
24 (0.51)	1,000 (1,600)	5.5 (18.0)	144 (89.5)	5.0	4,000	20,000

Crosstalk Loss dB/kft (dB/km) Minimum NEXT @ 722 kHz 44 (144)		Capacitance Unbalance @ 1000 Hz	pF @ 1 kft (pF @ 1 km) 80 (145)	
		Maximum Individual Pair to Pair		
		Maximum Individual Pair to Ground	800 (2,625)	

T NUMBERS AND	PHYSICAL CHARACT	ERISTICS				
Part Number	Pair Count	AWG (mm)	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Package
04-023-85	2	19 (0.90)	0.38 (9.7)	65 (97)	5,000 (1,524)	Reel
04-025-85	3	19 (0.90)	0.42 (11)	85 (125)	5,000 (1,524)	Reel
04-052-84	2	22 (0.64)	0.32 (8.1)	45 (65)	1,000 (305)	Reel
04-053-84	2	22 (0.64)	0.32 (8.1)	45 (65)	2,500 (762)	Reel
04-055-84	2	22 (0.64)	0.32 (8.1)	45 (65)	5,000 (1,524)	Reel
04-056-84	3	22 (0.64)	0.33 (8.4)	50 (75)	1,000 (305)	Reel
04-062-84	3	22 (0.64)	0.33 (8.4)	50 (75)	2,500 (762)	Reel
04-058-84	3	22 (0.64)	0.33 (8.4)	50 (75)	5,000 (1,524)	Reel
04-061-85	6	22 (0.64)	0.41 (10)	80 (120)	1,000 (305)	Reel
04-058-85	6	22 (0.64)	0.41 (10)	80 (120)	2,500 (762)	Reel
04-057-85	6	22 (0.64)	0.41 (10)	80 (120)	5,000 (1,524)	Reel
04-098-85	2	24 (0.51)	0.27 (6.9)	30 (45)	5,000 (1,524)	Reel
04-101-85	3	24 (0.51)	0.29 (7.4)	40 (60)	5,000 (1,524)	Reel
04-097-85	6	24 (0.51)	0.35 (8.9)	55 (80)	5,000 (1,524)	Reel



