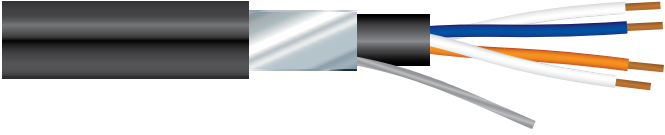


# BURIED DISTRIBUTION AND SERVICE WIRE

## BDW A

<b>Product Description</b>	BDW A is a filled, doubled-jacketed buried wire intended for direct burial applications. It 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. It is recommended for non-gopher areas.	
<b>Conductor</b>	Solid annealed copper	
<b>Insulation</b>	Polyolefin, colour code	
<b>Inner &amp; Outer Jacket</b>	Black, polyethylene	
<b>Shield</b>	Smooth, copolymer-coated, 8 mil aluminum tape applied longitudinally over inner jacket and bonded to outer jacket, space under the tape is flooded to eliminate all air space.	
<b>Core Assembly</b>	Individual conductor dimensions are tightly controlled to limit resistance unbalance of twisted pairs; pair twist lays are varied to minimize crosstalk and meet capacitance and unbalance limits.	
<b>Approvals</b>	ANSI/ICEA S-86-634-2004 RoHS-Compliant	
<b>Applications</b>	Distribution circuits and service entrance wires	

Product Code	AWG (mm)	# of Pairs	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Colour Code
37D2202	22 (0.64)	2	0.32 (8.1)	45 (65)	5
37D2203	22 (0.64)	3	0.33 (8.4)	50 (75)	5

### ELECTRICAL SPECIFICATIONS

All Pairs	Average Mutual Capacitance @ 1000 Hz nF/mile (nF/km)
Maximum Individual	94 (58)
Wire Average	83 ± 7 (52 ± 4)
Conductor Size AWG (mm)	22 (0.64)
Minimum Insulation Resistance @ 68°F (20°C) megohm-mile (megohm-km)	1,000 (1,600)
Maximum Average Attenuation 772 kHz @ 68°F (20°C) dB/kft (dB/km)	4.4 (14.4)
Maximum Conductor Resistance @ 68°F (20°C) Ohms/mile (ohms/km)	91 (56.4)
DC Resistance Unbalance Maximum % Individual Pair	5.0
Dielectric Strength Minimum Volts DC Conductor to Conductor	5,000
Dielectric Strength Minimum Volts DC Conductor to Shield	20,000