

**Description:** 3/Pairs # 20 AWG; HD-PE Insulation, Each pair shielded, Overall Polyurethane Jacket.

## A. <u>Construction</u>

1.0 Shielded Pairs: 20 AWG individually shielded

1.1 Conductor: 20 AWG 26/34 Tinned Copper; OD: .038" Nom.

1.2 Insulation: .012" Wall; HD-PE; OD: .062" Nom.

Color Code: P1: Black, White P2: Brown, Orange P3: Yellow, Pink
Shield: Aluminum/Polyester Tape; 100% Shield, (Alum Side-out)

2.0 Final Assembly: 3/Prs cabled on common axis with common drain; Left Hand Lay.

2.1 Filler: Fr-Fibrillated poly filler in core
2.2 Drain Wire: 20 AWG 26/34 Tinned Copper
2.3 Binder: Nylon Tape Wrap, 35% Min Overlap;
2.4 Tape: Paper Tape; 25% Nom Overlap;

2.5 Jacket: .038" Wall, FR-Polyurethane (Pressured); Color: Black Matt finish

OD: .285" +/- .005" (7.24mm)

3.0 Marking: E76328 NAWM 80C 300V -- LL79301 CSA AWM I/II A/B 80C 300V

FT-1-- RoHS - MADE IN USA (DDMMYY)

## B. Electrical & Mechanical Characteristics

1.0 Conductor DCR: 11.4 Ohms/Mft Nom.2.0 Capacitance: 29.0 Pf/ft Nom. (Mutual)

52.0 pf/ft Nom. (Cond-Shield)

3.0 Impedance: 53.0 Ohm Nom.

4.0 Shield DCR: 9.50 Ohms/Mft Nom. (foil shield + Drain wire)

5.0 Velocity of Propagation: 66% Nom

6.0 Temperature and Voltage Rating: -40C to +80C / 300V Max

C. <u>Agencies Approval</u>: ULAWM subject 758 and RoHS Compliant

D. <u>Cable Weight</u>: 49.0 Lbs./Kft Nom.

R E V	DATE	CHANGE DETAIL	Conor	al Cabla	General Cable		
		ref. NACCO P/N: 8537054 /RD3609-1	General Cable		20 Forge Park, Franklin, Ma 02038 Phone: 508-541-7100 Fax: 508-541-8122		
			Title:				
				ZO20P0037054			
			Description:	3/Prs. 20 AWG Ind. Shielded			
				Special Application Flex Cable			
			Drawn By:	gt			RoHS Compliant
			Mktg Approval:				Directive 2011/65/EU
A	02/23/15	Initial Release / GT	Final Approval:	G.Tokatli			PAGE 1of 1

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