.050" Round, Shielded/Jacketed, Flat Cable

28 AWG Stranded, Mass-Term, PVC/PVC

3659 Series



- Round construction permits easier routing
- 28 AWG wire on .050 inch pitch permits mass termination to broad line of IDC connectors
- Continuous split/bond repeat allows for mass termination on 2.4 inch centers (approximate)
- Primary cable is zippable for branching or discrete terminations
- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- UL listed for USA and Canadian markets
- Dual shielding provides 35 db average shielding effectiveness

Date Modified: July 29, 1999

TS-0083-14 Sheet 1 of 2

Physical

Jacket Material: Color: Primary Material:				
Color: Marking				
Standard:	(UL) CL2 75C 28 AWG or AWM 20267 3M NU C AWM IIA/B 80C 300V FT1 EU <50V			
Conductors:	28 AWG 7 × 36 [7×0.127] Tinned Stranded Copper			
Shielding:	.001 [0.03] Thick Aluminum/Polyester Film Foil and 90% Coverage Tinned Copper Braid			

Electrical

Voltage Rating:	USA: N.E.C. 725, CL2	or AWM; 300V	Canada: 300V	EU: <50V
Insulation Resistance:	$> 1 \times 10^{10} \Omega/10$ ft. [3m]			
	Unbalanced	Balanced		
Characteristic Impedance	62Ω	106 Ω		
Capacitance	27.7 pF/ft. [90.88 pF/m] 15.2 pF/ft. [49.9 pF/	m]	
Inductance	.13 $\mu H/ft.$ [0.43 $\mu H/m$]	.20 $\mu H/ft.$ [0.66 $\mu H/m$	1]	
Propagation Delay	1.72 ns/ft. [5.64 ns/m]	1.62 ns/ft. [5.32 ns/m]	
Velocity of Propagation	59%	62%		

Note: Unbalanced is measured between ground-signal-ground conductors with shield grounded. Balanced is measured between signal conductors within a pair, with the shield floating.

Environmental

Temperature Rating: USA: CL2; 75°C Max or AWM; -20°C to +80°C Canada: 80°C **Flammability Rating:** USA: N.E.C. 725, CL2 Canada: FTI

UL File No.: E118773, Power Limited Circuit Cable: CL2 (or AWM Style 20267)

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