

Description: 9/C composite cable consist of 1/Pairs 20 AWG shielded, 3/Pairs 20 AWG and 1/C 20 AWG, HD-PE Insulation, Overall Nylon tape and Polyurethane Jacket



A. Construction

- 1.0 Element #1: 1/Prs 20 AWG shielded (Video)
 - 1.1 Conductor: 20 AWG 26/34 Tinned Copper; OD: .038" Nom.
 - 1.2 Insulation: .011" Wall; HD-PE; OD: .060" Nom.
 - 1.3 Color Code: P1: White, Blue
 - 1.4 Tape: Polyester Tape; 25% overlap
 - 1.5 Drain Wire: 20 AWG 26/34 Tinned Copper
 - 1.6 Shield: Aluminum/Polyester Tape; 100% Shield, (Alum Side-In)
 - 1.7 Cable: OD: .128" Nom; Cabled at: 1.25" LHL (9.6 twist per foot)

- 2.0 Element #2: 3/Pr 20 AWG
 - 2.1 Conductor: 20 AWG 26/34 Tinned Copper; OD: .038" Nom.
 - 2.2 Insulation: .011" Wall; HD-PE; OD: .060" Nom.
 - 2.3 Color Code: P1: White, Orange P2: White, Black P3: White, Red
 - 2.4 Cable: OD: .120" Nom; Twined at: 1.25" LHL (9.6 twist per foot)

- 3.0 Element #3: 1/C 20 AWG (Signal)
 - 3.1 Conductor: 20 AWG 26/34 Tinned Copper; OD: .038" Nom.
 - 3.2 Insulation: .011" Wall; HD-PE; OD: .060" Nom.
 - 3.3 Color Code: C1: White

- 4.0 Final Assembly: Element #1, #2 & #3 cabled @ 2.50" Left Hand lay (4.8 twists per foot)
 - 4.1 Fillers: Fr-Fibrillated poly filler as needed for roundness
 - 4.2 Binder: Nylon Tape Wrap, 35% Min Overlap;
 - 4.3 Tape: Paper Tape; 25% Nom Overlap;
 - 4.4 Jacket: .038" Wall, FR-Polyurethane (Pressured); Color: Black Matt finish
OD: .350" +/- .010"

REV	DATE	CHANGE DETAIL			General Cable 4 Tesseneer Dr, Highland Heights, KY 41076 Phone: (859) 572-8000	
		ref. NACCO P/N: TBD -RD3609-6				
			Title:	<h1>ZO20C0091215</h1>		
			Description:			
			9/C 20 AWG Composite 10 Way Carriage Cable			
C	04/25/17	Revise UL Listing - TS	Drawn By:	T. Shaffer		
B	02/19/16	Revise p/n & drawing - gt	ENG Approval:	D. Camp		
A	01/12/16	Initial Release / GT	Final Approval:			

5.0 Marking: Surface Printed White Ink:

E18621  AWM 22066 80C 300V -- LL79301 CSA AWM I/II A/B 80C 300V
FT-1-- ROHS/CE – MADE IN USA (DDMMYY)



B. Electrical & Mechanical Characteristics:

- 1.0 Conductor DCR: 11.4 Ohms/Mft Nom.
- 2.0 Capacitance (#1): 29.0 Pf/ft Nom. (Mutual)
52.0 pf/ft Nom. (Cond-Shield)
- 3.0 Impedance (#1): 53.0 Ohm Nom.
- 4.0 Shield DCR (#1): 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. Agencies Approval: UL Subject 758; AWM Style 22066 80C 300V VW-1
CSA C22.2 No.210-05 AWM I/II A/B FT-1

D. Compliance: RoHS/CE Compliant

E. Cable Weight: 65.5 Lbs./Kft Nom.

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