

GENERAL WIRE PRODUCTS INC.  
425 SHREWSBURY STREET  
WORCESTER, MA. USA 01604  
TEL# 508-752-8260  
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12/10/15

TO: IEWC

ATTN: ROBIN STEPHENS

RE: PROPOSED SPECIFICATION ON 16 CONDUCTOR NON-MAGNETIC RG 178 UNSHIELDED CABLE

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DESCRIPTION: THE CABLE OUTLINED HERE SHALL CONSIST OF 16 RG 178 COAXES, MEETING UL AWM  
STYLES 1354 & 1375, CABLED TOGETHER WITH FILLER TO MAKE ROUND, AND  
AN OVERALL WHT SEMI MATTE TPE JACKET.  
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CONDUCTOR: #30 7/38 SILVER PLATED COPPER	OD
DIELECTRIC: .011 WALL FEP	.012"
BRAID SHIELD: 4/38 SILVER PLATED COPPER / 95% COVERAGE	.034"
COAXIAL JKT: .010 WALL FEP	.050"
	.070"

COLOR: CLEAR, BLK; BRN; RED; ORG; YEL; GRN; BLU; VIO; GRY ; WHT;  
WHT/BLK; WHT/BRN; WHT/RED; WHT/ORG; WHT/YEL;

SPIRAL STRIPE PER CODE ABOVE

CABLE COAXES 1-5 WITH CRUSHED PROPYLENE FILLER  
2.75" RIGHT HAND LAY .189"

CABLE COAXES 6 – 16 4.75" CONTRA-HELICAL LEFT HAND LAY  
AROUND FIVE COAX RHL CORE .334"  
CLEAR MYLAR BINDER O/A .339"  
JACKET: .050 WALL SEMI MATTE TPE .440" + - .016"  
CABLE MUST BE ROUND, SMOOTH & CONVOLUTION FREE

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COLOR: WHITE  
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ELECTRICAL DATA		
CAPACITANCE:	34.5	PF/FT.
IMPEDANCE:	50	OHMS + - 2
VELOCITY OR PROPAGATION:	70	%
CONDUCTOR DCR:	95.305	OHMS/MFT.
SHIELD RESISTANCE:	14.8	OHMS/MFT.

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PREPARED BY: THOMAS P. ANDREWS JR.  
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