

GENERAL WIRE PRODUCTS INC.  
425 SHREWSBURY STREET  
WORCESTER, MA, USA 01604  
TEL# 508-752-8260  
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01/23/14

TO: IEWC

ATTN: JENIFFER SAYLER

RE: PROPOSED SPEC ON EQUAL TO BELDEN P/N 83703 (GWP P/N 030-83553)

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DESCRIPTION: THE CABLE OUTLINED HERE SHALL CONSIST OF 3 CONDUCTORS  
#16 AWG W/ OVERALL FOIL + BRAID SHIELD AND A FEP JACKET.  
ALL MATERIALS AND METHODS USED IN THE MANUFACTURE AND  
TEST OF THIS PRODUCT SHALL COMPLY WITH UL SUBJECTS 13, 444,  
910 AND 1581.

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CONDUCTOR: # 16 19/29 TINNED COPPER	OD .058"
INSULATION: .007 WALL FEP TEFLON COLOR: BLK ; WHT; RED;	.072"
TRIP 3/C 4" LAY	.155"
TAPE W/ ALUMINUM MYLAR ( FOIL OUT)	.159"
BRAID SHIELD: #36 TINNED COPPER / 85% COVERAGE	.179"
JACKET: .015 WALL FEP TEFLON COLOR: RED TINT	.209"

NOMEX MARKER TAPE UNDER JACKET:

"E102194 CL2P (UL) 16 AWG 200 C. CMP C(UL) US"

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ELECTRICAL DATA

CAPACITANCE:	35	PF/FT. CONDUCTOR TO CONDUCTOR
CAPACITANCE:	63	PF/FT. CONDUCTOR TO SHIELD
IMPEDANCE:	50	OHMS
VELOCITY OF PROPAGATION:	71	%
SPARK VOLTAGE:	2.5	KV
TEMP RANGE:	-60 - + 200	C.

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PREPARED BY: THOMAS P. ANDREWS JR.