

GENERAL WIRE PRODUCTS INC.
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01/23/14

TO: IEWC

ATTN: JENIFFER SAYLER

RE: PROPOSED SPEC ON EQUAL TO BELDEN P/N 83702 (GWP P/N 030-83552)

DESCRIPTION: THE CABLE OUTLINED HERE SHALL CONSIST OF 2 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.

CONDUCTOR: # 16 19/29 TINNED COPPER	OD .058"
INSULATION: .007 WALL FEP TEFLON COLOR: BLK; WHT;	.072"
TWIN 2/C 2.5" LAY	.144"
TAPE W/ ALUMINUM MYLAR (FOIL OUT)	.148"
BRAID SHIELD: #36 TINNED COPPER / 85% COVERAGE	.168"
JACKET: .015 WALL FEP TEFLON COLOR: RED TINT	.198"

NOMEX MARKER TAPE UNDER JACKET:

"E102194 CI.2P (UL) 16 AWG 200 C. CMP C(UL) US"

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.

PREPARED BY: THOMAS P. ANDREWS JR.