

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 83562 (GWP P/N 030-83412)

DESCRIPTION: THE CABLE OUTLINED HERE SHALL CONSIST OF 12 CONDUCTORS
#22 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: # 22 7/30 TINNED COPPER	OD .030"
INSULATION: .006 WALL FEP TEFLON COLOR: BLK ; WHT; RED; GRN; ORG; BLU; WHT/BLK; RED/BLK; GRN/BLK; ORG/BLK; BLU/BLK; BLK/WHT;	.042"
CABLE 12/C 2.5" LAY	.175"
TAPE W/ ALUMINUM MYLAR (FOIL OUT)	.179"
BRAID SHIELD: #36 TINNED COPPER / 85% COVERAGE	.199"
JACKET: .015 WALL FEP TEFLON COLOR: RED TINT	.229"

NOMEX MARKER TAPE UNDER JACKET:

"E102194 CL2P (UL) 22 AWG 200 C. CMP C(UL) US"

ELECTRICAL DATA

CAPACITANCE:	23	PF/FT. CONDUCTOR TO CONDUCTOR
CAPACITANCE:	40	PF/FT. CONDUCTOR TO SHIELD
IMPEDANCE:	60	OHMS
VELOCITY OF PROPAGATION:	71	%
SPARK VOLTAGE:	2.5	KV
TEMP RANGE:	-60 - + 200	C.

PREPARED BY: THOMAS P. ANDREWS JR.