

GENERAL WIRE PRODUCTS INC.
425 SHREWSBURY STREET
WORCESTER, MA. USA 01604
TEL# 508-752-8260
FAX# 508-753-2173

01/23/14

TO: IEWC

ATTN: JENIFFER SAYLER

RE: PROPOSED SPEC ON EQUAL TO BELDEN P/N 83553 (GWP P/N 030-83403)

DESCRIPTION: THE CABLE OUTLINED HERE SHALL CONSIST OF 3 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;	.042"
TRIP 3/C 2.5" LAY	.091"
TAPE W/ ALUMINUM MYLAR (FOIL OUT)	.095"
BRAID SHIELD: #36 TINNED COPPER / 85% COVERAGE	.115"
JACKET: .015 WALL FEP TEFLON COLOR: RED TINT	.145"

NOMEX MARKER TAPE UNDER JACKET:

"B102194 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.