

GENERAL WIRE PRODUCTS INC.  
425 SHREWSBURY STREET  
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05/22/13

TO: IEWC - STERLING

ATTN: JENNY FABER

RE: SPECIFICATION ON GWP P/N 030-21634-8

DESCRIPTION: THE CABLE OUTLINED HERE IS A 2 X 8 PAIR #24 AWG RISER RATED CABLE. THIS T-1 CABLE MEETS TELCORDIA TA-TSY-000132 & TA-TSY-0000140. ALL MATERIALS AND METHODS USED IN THE MANUFACTURE AND TEST OF THIS PRODUCT SHALL COMPLY WITH UL SUBJECTS 13, 444, AND 1581. THIS PRODUCT IS RoHS COMPLIANT, AND WILL SUPPORT T-1 TRANSMISSION TO 480 FEET.

CONDUCTOR: # 24 SOLID TINNED COPPER	OD
INSULATION: .008 WALL FR-OLEFIN	.020"
COLOR: 2X	.036"
BLU-WHT; ORG-WHT; GRN-WHT; BRN-WHT; GRY-WHT; BLU-RED; ORG-RED; GRN-RED;	
TWIN 2/C VARYING LAYS TO MINIMIZE CROSSTALK	.072"
CABLE 8 PRS. 6" LAY	.185"
EXTRUDED BARRIER: .015 RISER RATED ALLOY	.215"
TAPE EA. 8 PR. GROUP W/ COLOR CODED FOIL FREE ALUMINUM (FOIL IN) + # 24 SOLID TC DRAIN	.219" 1ST 8 PR GROUP RED 2ND 8 PR GROUP BLUE
PULL TWO 8 PR GROUPS PARALLEL @ JKT	.418 X .209"
JACKET: .035 WALL RISER RATED PVC	.488 X .279"
COLOR: GRAY	
PRINT: "E102194 CL2R OR CMR 24 AWG 75 C. (UL) C(UL) FT-4 CMG 2 X 8 PR T-1 RISER GWP P/N 030-21634"	

CABLE IS ALSO SEQUENTIALLY MARKED FOR FOOTAGE!

ELECTRICAL DATA

CAPACITANCE:	15	PF/FT.
IMPEDANCE:	100	OHMS
VELOCITY OF PROPAGATION:	71	%
STRUCTURAL RETURN LOSS:	35	db MINIMUM @ 0.5 - 3.5 MHZ
NEAR END CROSSTALK:	60	db MINIMUM @ 0.5 - 3.5 MHZ
ATTENUATION:		

FREQUENCY (MHZ)	db/100 FT.
DS1 - .772	.54
DS1C - 1.544	.65
DS2 - 3.152	.87

PREPARED BY: THOMAS P. ANDREWS JR.