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BELDEN 88107 OR EQUIVALENT

24 AWG (7 X 32) TINNED COPPER CONDUCTORS, FOAMED FEP INSULATION,
7 PAIRS PLUS ONE CONDUCTOR, OVERALL ALUMINUM/MYLAR SHIELDED
(FOIL OUT PLUS DRAIN WIRE), FLUOROCOPOLYMER JACKET

REVISION			
REV	DESCRIPTION	DATE	APPROVED
A	ECO 0244-01, RELEASED	11/6/02	
B	ECO006014, ADD EQUIVALENT.NOTE	03/24/11	DAW

ELECTRICAL CHARACTERISTICS	
MAX OPERATING VOLTAGE	300Vrms
MAX CONTINUOUS CURRENT PER CONDUCTOR @ 25°C	1.54 A
NOMINAL IMPEDENCE	100 OHMS
NOMINAL CAPACITANCE BETWEEN CONDUCTORS OF PAIR @ 1KHz	12.95 PF/FT OR 12.5 PF/FT
NOMINAL INDUCTANCE BETWEEN CONDUCTORS OF PAIR	0.21 µH/FT
NOMINAL VELOCITY OF PROPAGATION	78%
NOMINAL DELAY	1.3 NS/FT
NOMINAL CONDUCTOR DC RESISTANCE @ 20°C	24 OHMS/1000 FT
NOMINAL SHIELD DC RESISTANCE @ 20°C	14.0 OHMS/1000 FT

COLOR CODES			
PAIR NUMBER	COLORS	PAIR NUMBER	COLORS
1	WHITE W/BLUE STRIPE & BLUE W/WHITE STRIPE	5	WHITE W/GRAY STRIPE & GRAY W/WHITE STRIPE
2	WHITE W/ORANGE STRIPE & ORANGE W/WHITE STRIPE	6	RED W/BLUE STRIPE & BLUE W/RED STRIPE
3	WHITE W/GREEN STRIPE & GREEN W/WHITE STRIPE	7	RED W/ORANGE STRIPE & ORANGE W/RED STRIPE
4	WHITE W/BROWN STRIPE & BROWN W/WHITE STRIPE	SINGLE CONDUCTOR	WHITE

PHYSICAL CHARACTERISTICS	
TEMPERATURE RATING	-20 TO 150°C
INSULATION MATERIAL	FOAMED FEP
JACKET MATERIAL	FLUOROCOPOLYMER
JACKET COLOR	GRAY OR BROWN
TYPE OF SHIELD AND % COVERAGE	ALUM/MYLAR 100%
NOMINAL OUTSIDE DIAMETER	.305" OR .274"
MIN BEND RADIUS	3.0"
MAX PULLING TENSION	82 LBS
NOMINAL WEIGHT PER 1000 FT	55.1 LBS OR 47 LBS
FLAME TEST UL / C(UL)	NFPA 262 / FT6
APPLICABLE SPECIFICATION	NEC CMP CEC C(UL) CMP

NOTE: MARKING:
BELDEN 88107 CMP 7PR24 SHIELDED (UL)E103998 C(UL) 3650.
OR
E111036 TYPE CL2P - E130356 TYPE CMP 24 AWG (UL), C(UL) 200C FEP/FEP.

FIRST USED 999-000-9511 M431-NCN0-7G07	TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN DAM 11/6/02	MFG. APPROVED	Elwood Corporation - Motors Group 2701 N. Green Bay Rd Racine, WI, U.S.A.		
MATERIAL	FRACTIONS 1/32 (.794 mm)	CHECKED	OTHER APPROVED			TITLE CABLE, 7-1/2 PAIR + DRAIN & SHIELD 24 AWG, 300 Vrms, 150°C
FINAL FINISH	.XX ±.01 (.254 mm) .XXX ±.005 (.127 mm) .XXXX ±.0005 (.0127 mm)	ENG. APPROVED	RELEASED	SIZE A	SOLIDWORKS CAD	DWG NO 140-008-0018
NOTE: UNLESS OTHERWISE SPECIFIED. 1. REMOVE ALL BURRS AND SHARP EDGES. 2. CH'R FIRST THD. ALL TAPPED HOLES. 3. 4.	ANGLES ±1 DEGREE SURFACE FINISH OR BETTER 125 ✓	"THIS DOCUMENT AND ALL INFORMATION CONTAINED OR IMPLIED HERIN IS THE PROPERTY OF ELWOOD CORP. IT SHALL NOT BE DUPLICATED OR COMMUNICATED TO OTHERS NOR USED FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS SPECIFICALLY FURNISHED."		SCALE NONE	EDN 033147	SHEET 1 OF 1

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