

03/18/13 REV. 0

123079E

I. DESCRIPTION:

ISA/SP-50 PROFIBUS, 22 AWG (7X30) BARE COPPER, FRFPE INSULATION,
BELDFOIL SHIELD, 65% BRAID, PVC JACKET, ALUMINUM INTERLOCKED ARMOR, PVC JACKET

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	300 V RMS
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 30 DEG. C:	2.3 A
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG. C:	16.0 OHMS/1000 FT
FITTED IMPEDANCE 3-20 MHZ:	150 OHMS
NOM. MUTUAL CAPACITANCE:	8.5 PF/FT

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING:	-30 TO +75
CONDUCTOR:	22 AWG (7X30) BARE COPPER
INSULATION MATERIAL:	FRFPE
SHIELD/COVERAGE:	BELDFOIL/100%; TIN COPPER BRAID/65%
JACKET MATERIAL:	PVC
NOM. DIAMETER:	.315"

AN INTERLOCKED ALUMINUM ARMOR & PVC JACKET ARE
APPLIED OVER THE BELDEN 3079E CORE:

DIAMETER OVER ARMOR:	.518" NOMINAL
DIAMETER OVER PVC JACKET:	.608" NOMINAL
MIN. BENDING RADIUS:	9.25"
MAX. PULLING TENSION:	200 LBS. (ARMOR ONLY)
SPECIFICATIONS:	NEC TYPE CM OR PLTC C(UL) CM
FLAME RATING:	UL1685 VERTICAL TRAY (70,000 BTU/HR)