

07-10-12 REV. 0

Y59880

I. DESCRIPTION:

18 AWG (19X#30) TINNED COPPER, TWO PAIRS XLPE INSULATED CABLED WITH FILLERS, OVERALL BELDFOIL® AND BRAID SHIELDS, FRPU JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	300 V RMS	
	600 V RMS (AWM 10847)	
NOM. CONDUCTOR OF DC RESISTANCE @ 20°C:	20.6 OHMS/KM	
NOM. CAPACITANCE AT 1KHZ:	57.5 NF/KM	
NOMINAL CHARACTERISTIC IMPEDANCE:	92 OHMS AVG 1-100MHZ	
NOMINAL RESISTANCE UNBALANCE:	1.6%	
NOMINAL CAPACITANCE UNBALANCE:	1136 PF/KM	
NOMINAL VELOCITY OF PROPAGATION:	61%	
NOMINAL ATTENUATION DB/100':	1 MHZ	.49
	4 MHZ	1.3
		10
	MHZ	2.4
		16
	MHZ	3.2
		20
	MHZ	3.6
NOMINAL NEXT:	1 MHZ	84.9
	4 MHZ	70.1
		10
	MHZ	66.6
		16
	MHZ	61.9
		20
	MHZ	59.6
		31.2
	MHZ	58.8
	4 MHZ	71.6
		10
	MHZ	66.9
		16
	MHZ	64.6
		20
	MHZ	60.9

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING (SINGLES):	-40 TO +125°C
(JACKET):	-40 TO +105°C
INSULATION MATERIAL & NOM DIA:	CROSS-LINKED POLYETHYLENE; .175"*
TYPE SHIELD AND % COVERAGE:	ALUMINUM/POLYESTER TAPE; 100%
	TINNED COPPER BRAID; 85%
JACKET MATERIAL & NOM DIA:	FLAME RETARDANT POLYURETHANE; .490" +/- .010"
MIN. BEND RADIUS:	5.0"
MAXIMUM PULLING TENSION:	1960N
APPLICABLE SPECIFICATIONS:	UL AWM 10847
FLAME RESISTANCE:	UL VW-1
COLOR CODE:	WHITE & BLUE, ORANGE & YELLOW

** PRINT LEGEND TO INCLUDE AWM 10847 PER CUSTOMER REQUEST