

# Technical Data Sheet

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.

300 V RMS

#### II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:

inni. Or Brattino Volitica.		600	V RMS (A	WM 10847)
NOM. CONDUCTOR OF DC RESISTANCE	E @ 20°C:	20.6	OHMS/KM	
NOM. CAPACITANCE AT 1KHZ:		57.5	NF/KM	
NOMINAL CHARACTERISTIC IMPEDANC	CE:	92 0	HMS AVG	1-100MHZ
NOMINAL RESISTANCE UNBALANCE:		1.6%		
NOMINAL CAPACITANCE UNBALANCE:			PF/KM	
NOMINAL VELOCITY OF PROPAGATION	N:			
NOMINAL ATTENUATION DB/100':		1		
		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		95:9
		4	MHZ	71.6
				10
		MHZ		66.9
		MILE		16
		MHZ		64.6
		MIII		20
		MHZ		60.9

### PHYSICAL CHARACTERISTICS: III.

TEMPERATURE RATING (SINGLES):	-40 TO +125°C
(JACKET):	-40 TO +105°C
INSULATION MATERIAL & NOM DIA:	CROSS-LINKED POLYETHYLENE;
TVDE CHIEID AND & COVEDACE.	ATTIMENTIM / DOT VECTED TADE. 1

::.175"\* ALUMINUM/POLYESTER TAPE; 100% TINNED COPPER BRAID; 85% TYPE SHIELD AND % COVERAGE:

FLAME RETARDANT POLYURETHANE; .490" +/- .010" JACKET MATERIAL & NOM DIA:

5.0" MIN. BEND RADIUS: MAXIMUM PULLING TENSION: 1960N

APPLICABLE SPECIFICATIONS: UL AWM 10847

FLAME RESISTANCE: UL VW-1

COLOR CODE: WHITE & BLUE, ORANGE & YELLOW

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<sup>\*\*</sup> PRINT LEGEND TO INCLUDE AWM 10847 PER CUSTOMER REQUEST