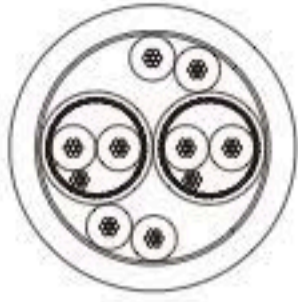


## SPECIFICATIONS

Configuration			
Part No.		2997	
No. of Conductor		2 × BALANCED CORE 4 × SIGNAL CONDUCTOR	
Conductor	Details	7/0.18A(7 × #33AWG)	
	Size(mm <sup>2</sup> )	0.178mm <sup>2</sup> (#25AWG) (The same size in all conductor)	
Insulation	Ov. Dia. (mm)	1.05φ(0.0413")	1.2φ(0.0472")
	Material	XLPE	PVC
	Colours	Brown/Clear Red/Clear	Brown/Red Orange/Yellow
Drain Wire	Details	7/0.18TA(7×#33AWG)	
	Size(mm <sup>2</sup> )	0.178mm <sup>2</sup> (#25AWG)	
Served Shield		Approx.65/0.10A (Approx.65×#38AWG)	
Core Jacket	Ov. Dia. (mm)	2.7φ(0.106")	
	Material	PVC	
	Colours	Black ( with number print )	
Binder	Thickness	0.025mm (0.001")	
	Material	Paper Tape	
Ov. Jacket	Ov. Dia. (mm)	7.0φ Max. (0.276" Max.)	
	Material	Flexible PVC	
	Colour	Black	
Roll Sizes		153 m (500Ft) 305m (1.000Ft)	
Weight		9.6Kg/153m (500Ft) Roll	

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Part No.		2997
DC Resistance at 20°C	Inner Conductor	0.105Ω/m(0.032Ω/Ft)
	Shield Conductor	0.028Ω/m(0.0085Ω/Ft)
Capacitance at 1kHz, 20°C ( effective capacitance value between inner twin )		65pF/m(19.8 pF/Ft)
Characteristic Impedance		95Ω±10%
Attenuation(1MHz )		0.031dB/m (0.0095dB/Ft)
Phase Constant(1MHz )		0.043rad/m
Electromagnetic Noise At 10kHz		0.5mV Max.
Voltage Breakdown		Must withstand at DC 500V/15sec.
Insulation Resistance		10 <sup>4</sup> MΩ · m Min. at DC 500V , 20°C
Tensile Strength (26°C,65%RH )		705 N
Emigration		Non-Emigrant to ABS resin
Applicable Temperature		-20°C~+70°C ( -4°F~+158°F )
Standard		EIA RS-422

Option : FERRITE CORE is available to eliminate EMI noise.

