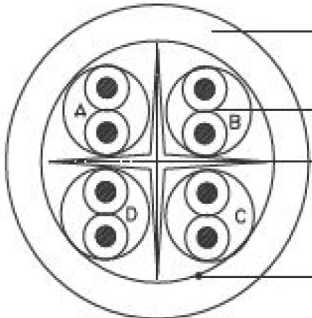




DATE:2024.09.02

Cross Section		Performance								
		Electrical Characteristics:								
		Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)					
		1	20.0	2.0	65.3					
		4	23.0	4.1	56.3					
		8	24.5	5.8	51.8					
		16	26.0	8.2	47.3					
		20	26.5	9.3	45.8					
		62.5	25.0	17.0	38.4					
		100	25.0	22.0	35.3					
		200	18.0	32.4	30.8					
		250	17.3	36.9	29.3					
		300	16.8	41.0	28.2					
		350	16.3	44.9	27.2					
Marking										
Per request										
Description										
Rated Temperature (°C)		75								
Product Standard Certification										
Construction		Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	PSELFEXT Min (dB/100m)	Delay Max (ns/100m)				
Conductor Solid Bare Copper		1	62.3	63.8	60.8	570.0				
AWG 23		4	53.3	51.7	48.7	552.0				
Conductor Dia. (±0.05mmmm)		8	48.8	45.7	42.7	546.7				
Insulation PE		16	44.3	39.7	36.7	543.0				
Average Thickness(mm)		20	42.8	37.7	34.7	542.0				
Min. Point Thickness(mm)		62.5	35.4	27.8	24.8	538.6				
Insulation Dia.(±0.01mm)		100	32.3	23.8	20.8	537.6				
Twisted Pair Dia.(±0.02mm)		200	27.8	17.7	14.7	536.5				
Filler PE		250	26.3	15.8	12.8	536.3				
Assembly Dia.(±0.2mm)		300	25.2	14.2	11.2	536.1				
		350	24.2	12.9	9.9	535.9				
Jacket PVC		1.0-100.0MHz Impedance (ohms)								
Average Thickness(mm)		100 ± 15								
Min. Point Thickness(mm)		1.0-100.0MHz Delay Skew (ns/100m)								
Outer Dia.(±0.1mm)		<=45								
Rip Cord Nylon		Pair-to-Ground Capacitance Unbalance (pF/100m)								
		<=330								
		Max. Conductor DC Resistance 20°C (ohms/km)								
		72.2								
		Resistance Unbalance (%)								
		<=5								
Color		Mechanical Characteristics:								
Insulation colors are:		Test Object Jacket								
Blue,White/Blue		Test Material PVC								
Orange,White/Orange		Before	Tensile Strength (Mpa)		>=13.8					
Green,White/Green		Aging	Elongation (%)		>=100					
Brown,White/Brown		Aging Condition (°Cxhrs)								
		After	Tensile Strength (Mpa)		>=85% of unaged					
		Aging	Elongation (%)		>=50% of unaged					
Jacket colors:		Cold Bend(-20±2°Cx4hrs)								
Per request		No crack								