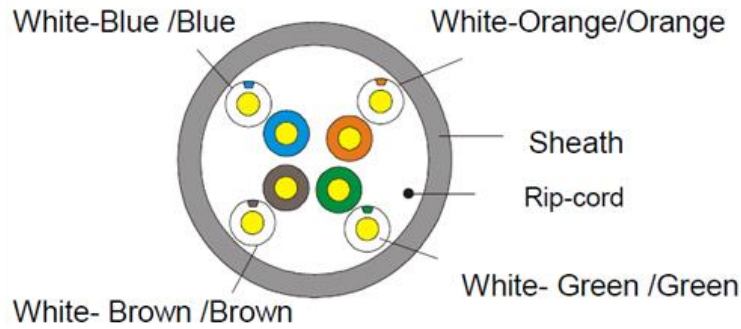


Newlink CAT-5E CMR 24AWG 1000ft



Category	U/UTP CAT5E-4P-PVC-CMR	
Test Standard	ISO/IEC11801, TIA-568-C.2 YD/T1019	
Conductor	Solid Bare Copper 24 AWG	
Insulation	Material	HDPE
	Diameter	0.87±0.03mm
Sheath	Thickness	0.50±0.05 mm
	External O.D.	5.0±0.4 mm
	Surface	Clean, Frap, Satiation
	Material	PVC(complies RoHS),CMR
	Colors	Multiple
Surface Printing	Letter Height	3.0±0.3mm
	Color	Black
	Print error & Space	≤±0.5%, 1m
Core Color	1 White – Blue/Blue	2 White – Orange/Orange
	3 White – Green/Green	4 White – Brown/Brown
Packing	Wooden Tray and carton	
Box Dimensions	35 x 35 x 20 cm	
Packing length	(305±1.5)m	

Rip-cord	Yes	Drain wire:	No
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 13.5		
	Elongation (%) ≥ 150		
	Aging Period($^{\circ}\text{C}\times\text{hrs}$) $100^{\circ}\text{C}\times 24\text{h}\times 7\text{d}$		
	After Aging Tensile Strength (Mpa) ≥ 12.5		
	Elongation(%) ≥ 125		
Electrical Characteristics (20°C)	Cold bend ($-20\pm 2^{\circ}\text{C}\times 4\text{h}$) $8\times$ Cable O.D. No visible cracks		
	1.0-100.0MHz Impedance(Ω) 100 ± 15		
	Velocity of Propagation (NVP) 69%		
	1.0-100.0MHz Delay Shew (ns/100m) ≤ 45		
	DC Resistance $\Omega/100\text{m}$) max 9.5		
DC Conductor Resistance Unbalance(%) max 5.0			

Technical Performance (100m):

Freq.	RL	ATT (20C)	NEXT	PHASE DELAY	PSNEXT	ELFEXT	PSELFEXT
MHz	$\geq\text{dB}$	$\leq\text{dB}$	$\geq\text{dB}$	$\leq\text{ns}$	$\geq\text{dB}$	$\geq\text{dB}$	$\geq\text{dB}$
1	20.0	2.0	65.3	570.00	62.3	63.8	60.8
4	23.0	4.1	56.3	552.00	53.3	51.8	48.8
8	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25	24.3	10.4	44.3	541.20	41.3	35.8	32.8
31.25	23.6	11.7	42.9	540.44	39.9	33.9	30.9
62.5	21.5	17.0	38.4	538.55	35.4	27.9	24.9
100	20.1	22.0	35.3	537.60	32.3	23.8	20.8

NEWLINK

Cabling Systems

NEW-980544X

Ordering Information:

Part Number	Description
NEW-9805441	Newlink Cat 5e CMR 24 AWG 1000ft Grey
NEW-9805442	Newlink Cat 5e CMR 24 AWG 1000ft Blue