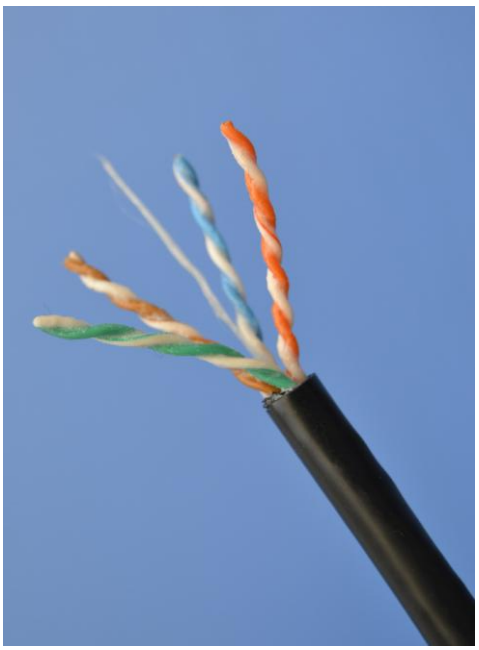
04 Pair U/UTP Category 5e PE Sheath Networking Cable

Part # : 241052

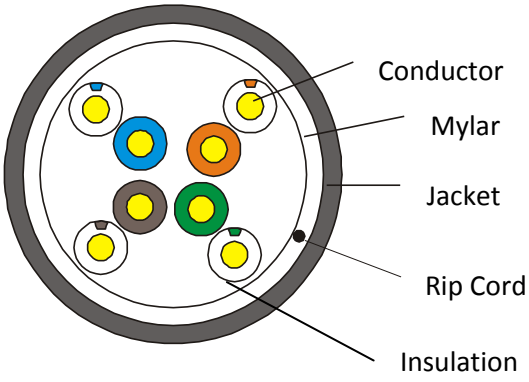


CONSTRUCTION	
Conductor:	
Nos.	08
Dia (mm)	0.49 (+/-0.005)
Material	Solid Bare Copper
Insulation:	
Nos.	08
Dia (mm)	0.87 ± 0.03mm
Material	High Density Polyethylene (HDPE)
Shield:	
Thickness	0.55 ± 0.05mm
External O.D	5.3 ± 0.4mm
Surface	Clean, Frap, Satiation
Material	PE (Complies RoHS)
SHEATH PHYSICAL PROPERTIES	
Before Aging:	
Tensile Strength (Mpa)	≥ 10.0
Elongation (%)	≥ 350
Aging Period (°C x hrs)	100°C x 24hrs x 10d
After Aging:	
Elongation (%)	≥ 300
Cold Bend (°C x hrs)	(-20 ± 2°C x 4hrs) No Visible Cracks
ELECTRICAL CHARACTERISTICS (20°C)	
Character Impedence (Ω) 1.0-100.0MHZ	100 ± 15
Delay Skew 20°C (ns/100m) 1.0-100.0MHZ	≤ 45
DC Resistance 20°C (Ω /100m) Max	11.0
DC Conductor Resistance Unbalance(%) Max	5.0

Features:

- Copper 24AWG
- Two Twisted Wire
- HDPE Insulation
- Nylon Rip Cord
- Packaging 305 Meters

Design:



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INSULATION CHROMATOGRAM			
Number	**Insulation Chromatogram**	**Number**	**Insulation Chromatogram**
1	Blue	2	Orange
	White-Blue		White-Orange
3	Green	4	Brown
	White-Green		White-Brown

MAIN TRANSMISSION CHARACTERISTICS							
Frequency (MHz)	**Return Loss (≥db/100m)**	**Attenuation (≤db/100m)**	**NEXT (≥db)**	**Time Delay (≤ns/100m)**	**PSNEXT (≥db)**	**ELFEXT (≥db)**	**PSELFEXT (≥db)**
1	20.0	2.0	65.3	570.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	552.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	546.73	48.8	45.7	42.7
10.0	25.0	6.5	50.3	545.38	47.3	43.8	40.8
16.0	25.0	8.2	47.2	543.00	44.4	39.7	36.7
20.0	25.0	9.3	45.8	542.05	42.8	37.8	34.8
25.0	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