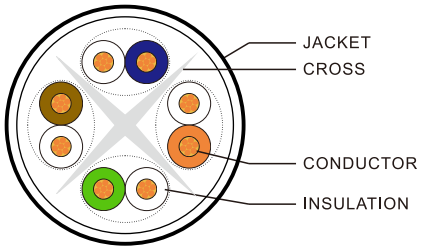
Ultra Flexible and Durable CAT.6 U/UTP 24AWG Bulk Cable

Best.nr. 20122107

PRODUCT DESCRIPTION

- **Cable Specifications:**
  CAT6 UTP 4 X 1P[24AWG(7/0.20mm±0.008mm BC)]+Cross Rubber PVC JACKET OD: 6.5±0.20mm
- **Standard Reference:**
  - ISO/IEC 11801:2017
  - ANSI/TIA-568.2-D
- **Physical characteristic**
  - Rated temperature: 75°C
  - Installation temperature: -20-60°C
  - Operating temperature: -20-75°C
  - Min bending radius:15xOD in Operation:10xOD after operation
  - Safety Characteristics:RoHS-2 2011/65/EU
- **Application**
  - Support 250MHz bandwidth
  - Support 1G Ethernet
  - Applied to data centers, servers, switches, wiring racks and other equipment connections

Cable Cross-Section Structure



CABLE CONSTRUCTION

Conductor	Material	Stranded Bare Copper	
	Nom.O.D (mm)	7/0.20±0.008mm 24AWGx4P	
Insulation		FMPE	HDPE
Average Thickness(mm)		/	0.18
Insulation Dia.(±0.05mm)		/	0.96
The cross - PE		0.30*4.20mm (±0.05mm/±0.1mm)	
Jacket Rubber PVC	Average Thickness (mm)		0.85
	Outer Dia.(±0.20mm)		6.5
Code Color	1 Blue/Blue*White	2 Orange/Orange*White	
	3 Green/Green*White	4 Brown/Brown*White	
Marking	/		
Packaging length	100M/R		
Packaging method	Wood shaft packaging		

CHARACTERISTICS

Conductor Resistance@20°C	≤112,5Ω/km
Resistance Unbalance@20°C	≤5%

TECHNICAL PERFORMANCE

Fluke Channel Test at 60m

Frequency (MHz)	Insertion Loss	RL Min (dB)	NEXT Min (dB)
1	3.0	19.0	65.0
4	4.0	19.0	63.0
8	5.7	19.0	58.2
10	6.3	19.0	56.6
16	8.0	18.0	53.2
20	9.0	17.5	51.6
25	10.1	10.1	50.0
31.25	11.4	16.5	48.4
62.25	16.5	14.0	43.4
100	21.3	12.0	39.9
200	31.5	9.0	34.8
250	35.9	8.0	33.1

Frequency (MHz)	PSNEXT (dB/100m)	ACR-F (dB/100m)	PS ACR-F (dB/100m)	Impedance (Ohms)
1	62.0	63.3	60.3	100±15
4	60.5	51.2	48.2	
8	55.6	45.2	42.2	
10	54.0	43.3	40.3	
16	50.6	39.2	36.3	
20	59.0	37.2	34.2	
25	47.3	35.3	32.3	
31.25	45.7	33.4	30.4	
62.25	40.6	27.3	24.3	
100	37.1	23.3	20.3	
200	31.9	17.2	14.2	
250	30.2	15.3	12.3	

CE RoHS

SE NO

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