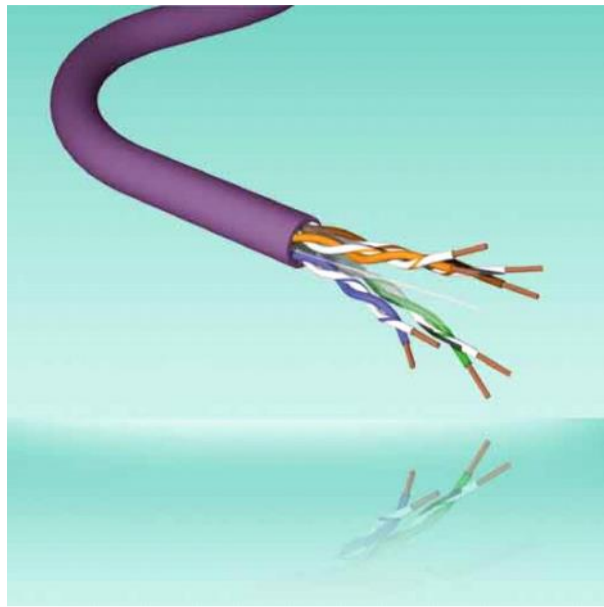


کابل شبکه 4 زوج بهم تابیده، CAT6, UTP, Class E, 23/1 AWG، 100 اهم، مناسب برای محیط های معمولی و عاری از نویز و میدان های مغناطیسی، با قابلیت پشتیبانی پروتکل اترنت گیگابیت، قابل استفاده در کاربردهای افقی (Horizontal) و بک بون (Back Bone)



Independent 3rd Party Certification (3P)

PRODUCT DESCRIPTION

Cat6Plus U/UTP, 100 Ω, 4x2xAWG 23/1 premium grade Class E/Cat 6 cable to support Gigabit ethernet protocol for installation in horizontal and backbone areas

PRODUCT PERFORMANCE

Core

conductor: 23 aWg plain annealed copper Wire
insulation: polyolefin
diameter: 1.00mm nominal
pair: 2 of the above cores
pair colour: blue-White, orange-White
 green-White, brown-White

Final Assembly

cable: 4 of the above pairs cabled together around a cross filler
Sheath: LS hf compound

Mechanical and Environmental

temp - installation: 0°C to +50°C
temp - operation: -20°C to +75°C
max tensile load: 10kg per simplex cable
min bend radius: 8 x outer diameter (installation) 4 x outer diameter

Cable Standards

the cable is compliant with ISO/IEC 61156-5, EN 50288-3-1 and ANSI/TIA/EIA 568C *

Brand-Rex Copper Cables - GigaPlus

Communication Cable, U/UTP, 100 Ω, 4x2xAWG 24/1

Electrical Characteristics @ 20°C	Specification	Typical Performance
Conductor Loop Resistance	Max 19 Ω / 100m	14 Ω / 100m
Conductor Resistance Unbalance	Max 2%	0.5%
Dielectric Strength	1.0kV dc or 0.7kV ac for 1 min	100% in process test
Insulation Resistance	>500MΩ.km @ 100-500 V test voltage	>5 GΩ.km
Capacitance Unbalance to Earth	Max 160 pF/100m	40 pF/100m
Velocity of Propagation	<534 nsec/100m @ 100MHz	490 nsec/100m @ 100MHz (NVP for hand held testers = 0.69)
Skew	Max 40 nsec/100m @ 100MHz	30 nsec/100m @ 100MHz
Mean Characteristic Impedance	100 Ω +/- 5 Ω @ 100MHz	100 Ω +/- 3Ω @ 100MHz
Coupling Attenuation up to 1Ghz	Min 40 dB	56 dB

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	155	200	250	300	550	
Insertion Loss (dB/100m)	Spec	2.1	3.8	6.0	7.6	8.5	10.7	15.5	19.9	25.3	29.1	33.0	na	na
	Typical	1.9	3.5	5.5	7.0	7.8	9.9	14.1	18.0	22.7	26.1	29.4	32.5	45.4
NEXT (dB)	Spec	66.0	65.3	59.3	56.2	54.8	51.9	47.4	44.3	41.4	39.8	38.3	na	na
	Typical	86.5	77.5	71.5	68.4	67.0	64.1	59.6	56.5	53.6	52.0	50.5	49.3	45.4
PSNEXT (dB)	Spec	64.0	63.3	57.3	54.2	52.8	49.9	45.4	42.3	39.4	37.8	36.3	na	na
	Typical	84.5	75.5	69.5	66.4	65.0	62.1	57.6	54.5	51.6	50.0	48.5	47.3	43.4
ELFEXT (dB/100m)	Spec	66.0	58.0	50.0	45.9	44.0	40.1	34.1	30.0	26.2	24.0	22.0	na	na
	Typical	85.0	73.0	65.0	60.9	59.0	55.1	49.1	45.0	41.2	39.0	37.0	35.5	30.2
PSELFEXT (dB/100m)	Spec	64.0	55.0	47.0	42.9	41.0	37.1	31.1	27.0	23.2	21.0	19.0	na	na
	Typical	82.0	70.0	62.0	57.9	56.0	52.1	46.4	42.0	38.2	36.0	34.0	32.5	27.2
Return Loss (dB/100m)	Spec	na	23.0	25.0	25.0	25.0	23.6	21.5	20.1	18.8	18.0	17.3	na	na
	Typical	27.0	30.0	30.0	30.0	30.0	28.6	26.5	25.1	23.8	23.0	22.3	21.8	19.9
ACR (dB/100m)	Typical	84.6	73.9	66.0	61.4	59.1	54.2	45.5	38.5	30.9	25.9	21.1	16.9	0.0
PSACR (dB/100m)	Typical	82.6	71.9	64.0	59.4	57.1	52.2	43.5	36.5	28.9	23.9	19.1	14.9	-2.0

Product Part Numbering

Part Number	Length (m)	Cable type	Colour	Nominal Cable Diameter (mm)	Nominal Weight (Kg/Km)	Calorific Value kWh/m	Fire Safety Rating
C6U-HF1-Rlx-305VT	305	LSHF	Violet	5.75	38	0.14	IEC 60332-1-2
C6U-HF1-500VT	500						
C6U-HF1-1000VT	1000						
C6U-HF1-D500VT	500	LSHF	Violet	11.6 x 5.75	77	0.28	IEC 60332-1-2
C6U-HF1-D1000VT	1000						
C6U-HF3-500BU	500	LSHF	Blue	6.55	51	0.23	IEC 60332-3-24
C6U-HF3-1000BU	1000						
C6U-HF3-D500BU	500						
C6U-HF3-D1000BU	1000	LSHF	Blue	13.2 x 6.55	103	0.46	IEC 60332-3-24
C6U-HF1-X-500BK	500						
C6U-HF1-X-1000BK	1000	PE	Black	6.95	49	0.27	N/A