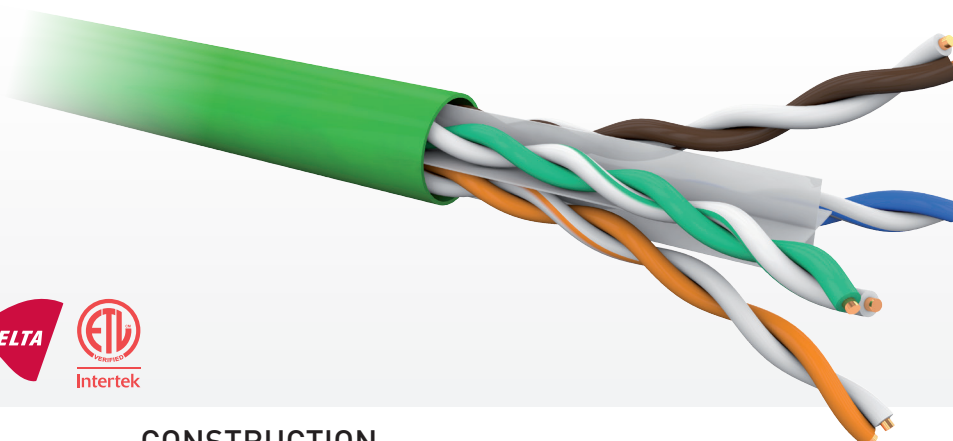


CAT6 U/UTP B2ca FIRE RETARDANT CABLE



APPLICATIONS

- Specifically designed to comply with performance requirements.
- Meet and exceed all TIA/EIA 568 C.2 CAT6 cable performances
- IEEE 802.5 16 MB and IEEE802.3 : 10Base-T; 100Base-T; 1000Base-T

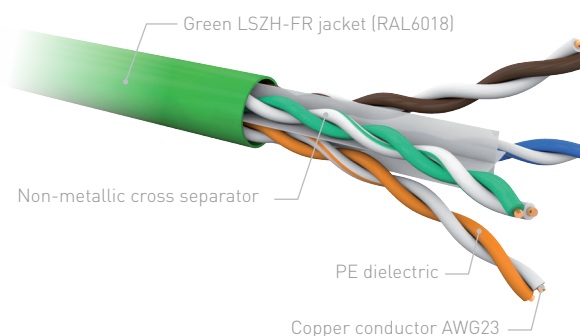
CONSTRUCTION

- Conductors: bare copper conductor 0,561 (AWG23) with polyethylene insulation
- Insulation: polyethylene 1 mm
- Assembly: 4 twisted pairs with different pitches, non-metallic cross separator (spline)
- External outsheath: green RAL6018
- Outer diameter: 6.2 mm

MECHANICAL CHARACTERISTICS

ITEM	EXTERNAL DIAMETER (MM)	BENDING RADIUS MINIMUM (MM)		Ø OF CONDUCTORS INSULATION (MM)	TEMPERATURE RATING INSTALLATION	INSTALLATION TENSION (N)
4	6,2	operationnal 4 x OD	installation 8 x OD	1,0	0 °C - 50 °C	100

- Temperature rating (operation): -20 °C to 60 °C
- Temperature rating (installation): 0 °C to 50 °C
- Standards: EIA/TIA 568-C.2
- ISO/IEC 11801
- IEC 61156-5
- EN50173-1
- EN50288-6-1
- Flame rating:
 - EN 13501-6 : B2ca s1a d1 a1
 - EN 50575
 - EN 50399
 - IEC 60332-1 / IEC 60754-2 / IEC 61034



CABLE MARKED

GIGAMEDIA EN50173 CAT6 U/UTP LSZH-FR – C6U4PFRB – TP028A – B2ca NVP 67% 4PAIR 23 AWG xxxM

ELECTRICAL CHARACTERISTICS

(20 °C ± 5 °C)

• DC resistance	9,38 Ω/100m
• Resistance unbalanced (max)	2 %
• Insulation resistance (500 V)	± 5000 MΩ/km
• Capacitance nom.	51 nF/km
• Unbalanced capacity	Max. 160 pF/100m at 1000 Hz
• Impedance (1-250 MHz)	(100 ± 15)Ω
• Velocity of propagation nom.	67 %
• Propagation delay (max)	± 535 ns/100m
• Delay skew (max)	± 20 ns/100m

TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	IMPEDANCE (OHMS)	ATTENUATION (dB)	EXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
1		1.9	78	75	82	80
4		3.8	69	66	70	68
10		6.0	63	60	62	60
16	100	7.6	60	57	58	56
20	± 15	8.5	59	56	56	54
31.25		10.7	56	53	52	50
62.5		15.1	51	48	46	44
100		19.1	48	45	42	40
125	100	21.3	47	44	40	38
200	± 15	27.0	44	41	36	34
250		32.0	42	39	34	32

ORDERING INFORMATION

P/N	DESCRIPTION
GGM C6U4PFRBT5	4 pairs AWG23 CAT6 U/UTP B2ca, s1a, d1, a1, green - drum 500 m