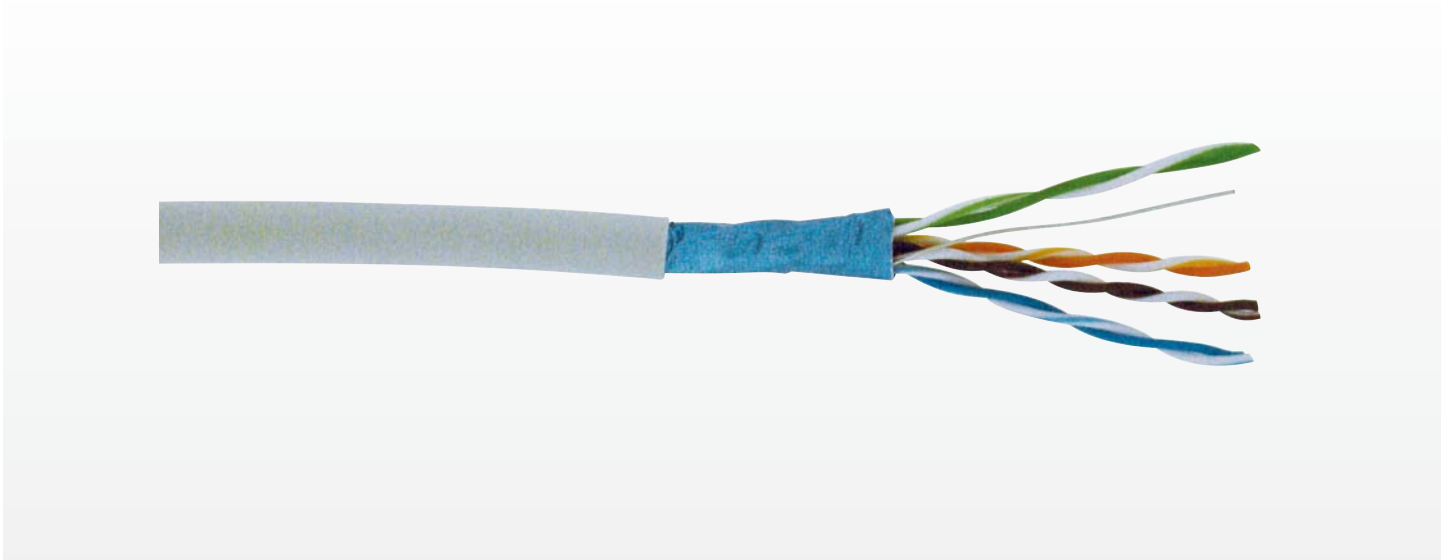




GIGAMEDIA CAT5e F/UTP SOLID CABLE GGM C5EF4PZHxx & C5EF2X4ZHxx



APPLICATIONS

- Performance exceeding category 5e specifications up to 1000 MHz
- Meet and exceed all TIA/EIA 568 C.2 CAT5e cable performances
- IEEE 802.5 16 MB and IEEE802.3 : 10Base-T; 100Base-T; 1000Base-T;

STANDARDS

- TIA/EIA 568-C.2
- ISO/IEC 11801; IEC 61156-5 ; EN50173-1 ; EN50288-6-1

FLAME RATING

- IEC 60332-1; IEC60754-2; IEC61034 (LSOH)

CONSTRUCTION

- **Conductors** : Bare copper conductor Ø 0.50 mm (AWG24) with polyethylene insulation
- **Insulation** : Polyethylene, Ø 0.95 mm
- **Assembly** : 4 twisted pairs with different pitches
- **External outsheet** : LSOH Grey RAL 7035
- **Outer diameter** : 5.75 mm
- **Cable marked** : GIGAMEDIA - CAT5E 150MHz LSOH 4x2x AWG24 ISO/IEC 11801 EN50173 IEC 60332-1 - Lot ° xxx m

ITEM	EXTERNAL DIAMETRE (MM)	BEND RADIUS MINIMUM (MM)	Ø OF CONDUCTORS INSULATION (MM)	TEMPERATURE RATING INSTALLATION	INSTALLATION TENSION (N)
4 pairs	5.75	operationnal 4XOD installation 8XOD	--	0°C - +50°C	80
2x4 pairs	6x 12.50		0.95		160

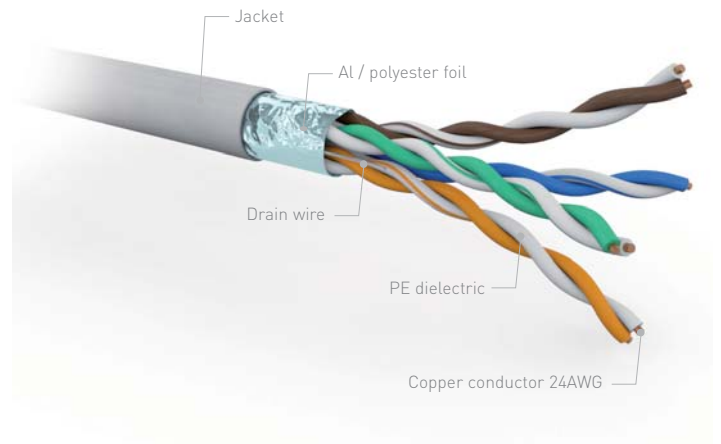
MECHANICAL CHARACTERISTICS

- **Bending radius**
 - ± 4 x OD without load
 - ± 8 x OD with load
- **Temperature rating**
 - 20°C to + 60°C during operation
 - 0°C to + 50°C during installation



ELECTRICAL CHARACTERISTICS (20°C ± 5°C)

• Loop Résistance	± 190 Ω/km
• Insulation resistance (500 V)	± 5000 m Ω/km
• Unbalanced capacity (pairs/floor)	1600 pF/km
• Impedance (100 MHz)	(100 ± 05) Ω
• Velocity of propagation	nom. 78%
• Propagation delay	± 535 ns/100m
• Skew delay	± 20 ns/100m



TRANSMISSION PERFORMANCE

FREQUENCY (MHZ)	ATTENUATION (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	RETURN LOSS (dB)
1.0	1.9	71	68	68	65	20
4.0	3.7	62	59	56	53	23
10.0	6.0	56	53	48	45	25
16.0	7.6	53	50	44	41	25
20.0	8.5	51	48	42	39	25
31.2	10.7	49	46	38	35	24
62.5	15.7	44	41	32	29	22
100.0	19.8	41	38	28	25	20
125.0	22.3	40	37	26	23	19
155.5	24.2	38	35	24	21	-
175.0	25.7	37	34	23	20	-
200.0	27.5	36	33	22	19	-

ORDERING INFORMATION

P/N	DESCRIPTION
GGM C5EF4PZHC1	4Pairs AWG24 C5e F/UTP GREY LSOH – 100 m Coil
GGM CEF4PZHU3	4Pairs AWG24 C5e F/UTP GREY LSOH – 305 m Box
GGM CEF4PZHT5	4Pairs AWG24 C5e F/UTP GREY LSOH – 500 m Drum
GGM C5EF4PZHTM	4Pairs AWG24 C5e F/UTP GREY LSOH – 1000 m Drum
GGM C5EF2X4ZHT5	2X4Pairs AWG24 C5e Dual F/UTP GREY LSOH – 500 m Drum

YOUR CONTACT NAME