



## Cable category 7 2x4 Pairs AWG23 S/FTP LSZH-FR Cca, Yellow (500 m drum)

**GGM C7SF2X4FRT5**



The GIGAMEDIA CAT7 cables are designed to exceed the specifications relative to the corresponding Class F standards and support applications up to 10 Gigabit Ethernet (10GBaseT). These cables are screened in pairs in order to optimise the NEXT (crosstalk) performance and possess a braid for overall screening. Associated with the GIGAMEDIA CAT6A screened connectors, screening by pairs as well as the overall braid also offers the possibility of optimising electromagnetic interference immunity.

### Product features

- Applications : IEEE802.3 : 10GBase-T, 5GBase-T, 2.5GBase-T, 1000Base-T, 100Base-Tx, 10Base-T, IEEE 802.3af/at/bt (PoE/PoE+/4PPoE)
- Shielding : S/FTP
- Category : 7
- Standards : ANSI/TIA-568.2-D ; EN 50173 ; ISO/IEC 11801
- Frequency range : From 0 to 600 Mhz
- Impedance : 100
- Gauge (awg) : 23
- Conductor type : Solid copper
- Number of pairs : 1X4

### Article features

- Jacket type : LSZH-FR
- Outer jacket colour : Yellow
- Jacket RAL : RAL 1021
- Outer sheath diameter (mm) : 15.3
- NVP (%) : 82
- Insulation diameter (mm) : 1.31
- Marking : GIGAMEDIA EN 50173 CAT7 S/FTP LSZH-FR -C7SF2X4PFR -TP048A Cca s1a d1 a1 NVP 82% 4PAIR 23 AWG [lot n°] XXXX m
- Packaging : 500 m drum

### ETIM 10 features

- Cable type : S/FTP
- Duplex : Yes
- Conductor material : Copper
- Conductor surface : Bare
- Diameter conductor : 1.31 mm
- Nominal cross section conductor : 1.348 mm<sup>2</sup>
- AWG size : 23



- Conductor category : Class 1 = solid
- Number of cores : 16
- Number of stranding elements : 8
- Stranding element : Pairs
- Material core insulation : Other
- Specification core insulation : Polyethylene (PE)
- Core identification according to HD 308 S2 : No
- Core identification : Colour
- Screen over stranding element : Foil
- Stranding : Other
- Screen over stranding : Foil
- Longitudinal water blocking cable : No
- Radial water blocking cable : No
- Suitable for underground installation : No
- Approved type of underground installation : Underground installation tube
- Protective sheath : None
- Material outer sheath : None
- Colour outer sheath : Yellow
- Armouring/reinforcement : None
- Cable geometry : Round
- Flame retardant according to IEC 60332-1-2 : No
- Flame retardant according to IEC 60332-3-22 (Cat A) : No
- Flame retardant according to IEC 60332-3-23 (Cat B) : No
- Flame retardant according to IEC 60332-3-24 (Cat C) : Yes
- Flame retardant according to IEC 60332-3-25 (Cat D) : Yes
- Low smoke according to EN IEC 61034-2 : Yes
- Halogen free according to EN IEC 60754-2 : Yes
- Reaction-to-fire according to EN 13501-6: Class : Cca
- Reaction-to-fire according to EN 13501-6: Smoke production : s1a
- Reaction-to-fire according to EN 13501-6: Flaming droplets/particles : d1
- Reaction-to-fire according to EN 13501-6: Acidity : a1
- Oil resistant according to EN IEC 60811-404 : No
- Outer diameter approximate : 7.6 mm
- Min. permitted bending radius, moving application/free movement : 122.4 mm
- Min. permitted bending radius, stationary application/permanent installation : 61.2 mm
- Permitted cable outer temperature during assembling/handling : 00 - 50
- Permitted cable outer temperature after assembling without vibration : -20 - 70
- NVP value : 82 %
- Certified for shipboard application : No
- Segregation class according to EN 50174-2 : C
- Suitable as telephone cable : No
- Suitable as computer data cable : Yes
- Suitable as signalling cable : No
- Suitable for use as security alarm cable : No
- Drain wire : Yes
- With rip cord : No
- Weight : 120 kg/km
- Characteristic impedance : 100 Ohm
- With rodent protection : No
- Compatible with Grade2TV according to XP-C 90-483 : No
- Compatible with Grade3TV according to XP-C 90-483 : No