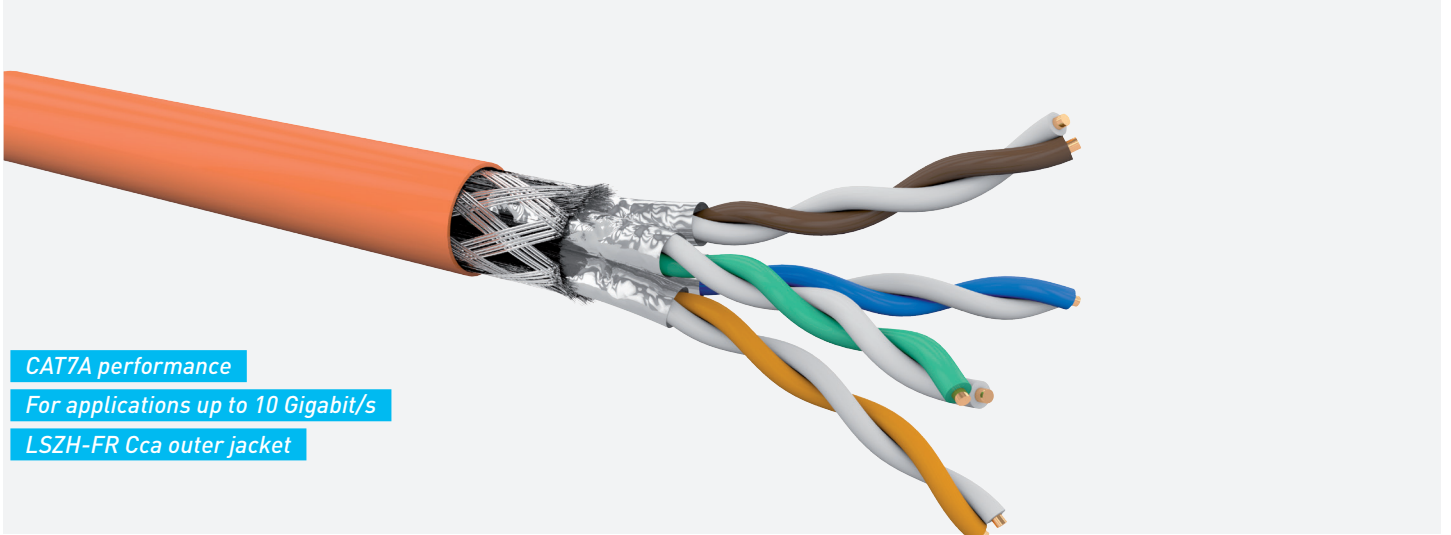




# CAT7A S/FTP LSZH-FR CABLE

## GGM C7ASF4PFRT5



CAT7A performance

For applications up to 10 Gigabit/s

LSZH-FR Cca outer jacket

### APPLICATIONS

- ▶ **IEEE802.3:** 10GBase-T, 5GBase-T, 2.5GBase-T, 1000Base-T (Gigabit Ethernet), 100Base-Tx, 10Base-T
- ▶ **IEEE 802.3af:** PoE
- ▶ **IEEE 802.3at:** PoE+
- ▶ **IEEE 802.3bt:** 4 PPoE

CAT7A S/FTP cable limiting fire propagation and meeting the latest requirements of international and European standards. This series of cables meets and exceeds the requirement of Augmented category 7 (CAT7A) and ISO 11801 or EN 50173 Class FA.

The overall shield and individual foil applied on each pair help to optimize NEXT Performance and ensure the user that field test results will show a 100 % Pass rate of installed links.

It is the ideal solution when deploying 10Gbits capable Network cabling infrastructure (i.e. 10GBASE-T) and ensures the user a high level of Fire performance.

### MECHANICAL CHARACTERISTICS

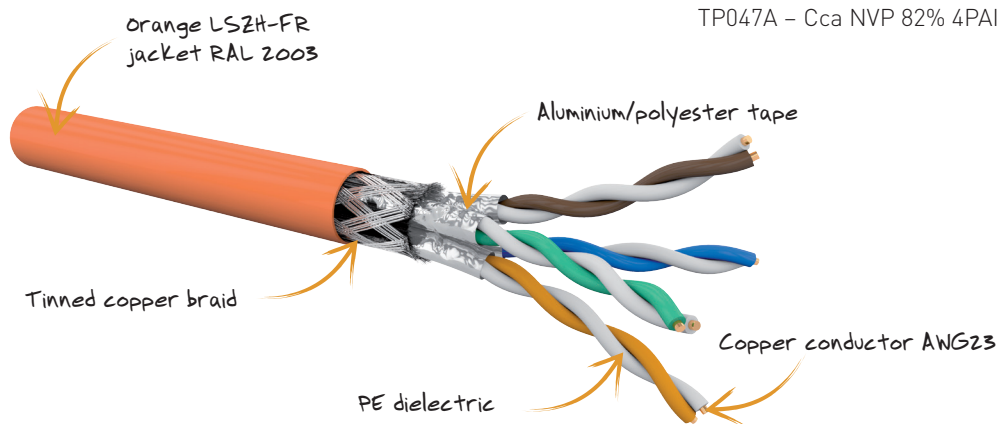
ITEM	JACKET	CONDUCTORS	INSULATION (MM)	EXTERNAL DIAMETER (MM)	GROSS WEIGHT (KG)	BENDING RADIUS (MM)	INSTALLATION TENSION (N)
4	LSZH-FR	AWG23	1,45	7,9	36	63,2	100

- ▶ Temperature rating:  
0 °C to +50 °C (installation)  
-20 °C to +60 °C (operating)
- ▶ Standards:  
ISO/IEC 11801 CAT7A, EN 50173 CAT7A,  
IEC 61156-5: Ed.2.
- ▶ Fire behaviour:  
EN 13501-6: Cca-s1a,d1,a1  
EN 50575, EN 50399, EN 60332-3

P/N	DESCRIPTION	PACKAGING
GGM C7ASF4PFRT5	CAT7A 4 pairs AWG23 S/FTP LSZH-FR - orange	Drum 500 m

CABLE MARKED

GIGAMEDIA EN 50173 CAT7A S/FTP LSZH-FR - C7ASF4PFR - TP047A - Cca NVP 82% 4PAIR 23AWG (batch #) (lot #) xxx M



TRANSMISSION PERFORMANCE

FREQUENCY (MHz)	IMPEDANCE (Ω)	ATTENUATION (dB) MAX	NEXT (dB)	ACRF (dB)	RETURN LOSS (dB)	COUPLING ATTENUATION (dB)	PSANEXT (dB)	PSAFEXT (dB)
4	100 ±15	4.0	94.6	70.0	32.0	94.0	92.1	82.8
10		6.3	87.8	70.0	28.0	86.0	91.0	78.9
16		7.9	84.2	68.3	26.0	81.9	90.0	76.9
20		8.9	82.5	66.4	25.0	80.0	89.4	75.9
31.25		11.1	79.1	62.5	23.1	76.1	88.0	74.0
62.5		15.6	73.7	56.5	20.0	70.1	85.3	71.0
100		19.7	70.0	52.4	18.0	66.0	83.1	68.9
200		27.9	64.6	46.4	15.0	60.0	79.4	65.8
250		31.2	62.8	44.4	14.0	58.0	78.1	64.8
300		34.1	61.3	42.8	13.2	56.5	77.1	63.9
500		44.1	57.2	38.4	11.0	52.0	75.0	61.6
600		48.3	55.8	36.8	10.2	50.4	75.0	60.8
700		52.1	54.5	35.5	9.5	49.1	75.0	60.1
1000		62.3	51.6	32.4	8.0	46.0	73.0	58.4
1250	70.0	42.0	25.0	8.0	40.0	70.0	50.0	

- ▶ Segregation class D
- ▶ Coupling attenuation at 30 MHz: > 85 dB
- ▶ Capacitance: 45 nF/km
- ▶ Velocity of propagation: 82 %

P/N	DESCRIPTION	PACKAGING
GGM C7ASF4PFR T5	CAT7A 4 pairs AWG23 S/FTP LSZH-FR - orange	Drum 500 m