

brand / type: KLOTZ AIS GmbH MulticAT6A - 4 x (4 x 2 x AWG23/1) - S/FTP - 500 MHz - PVC / C6ASFEY04

The C6ASFEY04 multiCAT6A cable for data transmission in installations and in protected mobile operation is designed for a frequency of 500 MHz and is therefore suitable for data transmission rates of up to 10 Gbit/s up to 100 m link length. It is primarily used for data transmission in Ethernet applications 1000Base-T and 10GBase-T. The four data lines with a characteristic impedance of 100 ohms each have four stranded pairs with AWG 23/1 solid conductors. Double shielding (S/FTP) reliably prevents electromagnetic interference. We recommend the Telegärtner metal MFP8 IE series as a suitable plug connector, available from us with article number RJ45SAT-FS. The MultiCAT6A multicore cable is available both as bulk cable and as premade cable with and without cable drum.

fire performance: CPR class Fca

#### design

conductor	solid bare copper wire, Ø 0.57 mm (AWG 23/1)
core insulation	Foam-Skin PE, Ø 1.4 mm
core stranding	2 cores twisted to a pair
cable stranding	4 data cables stranded together
element jacket	PVC, black, numbered, Ø 7.5 mm
twisting	4 shielded pairs twisted together
pair shielding	AL/PET foil
overall shield	tinned copper braid
outer jacket	PUR, black
overall diameter	22.1 mm

#### electric

conductor resistance	< 80 Ω/km
mutual capacitance	43 pF/m
characteristic impedance	100 Ω ± 15%
signal speed	0.77 c
propagation delay	480 ns/100m

#### properties

min. bending radius	10x overall diameter
flame retardancy	acc. to IEC 60332-1-2

#### maximum transmission range (device-to-device)

100Base-T (100 Mbit Ethernet)	100 m
1000Base-T (Gbit Ethernet)	100 m
10GBase-T (10 Gbit Ethernet)	100 m

bestell nr.	C6ASFEY04
type	S/FTP
outer jacket	PVC
cable color	black
weight	0.51 kg/m
standard lengths	50 / 100 m

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