



VOKA-LAN XLAN 200 flex SF/UTP 4PR AWG 26/7 FRNC

flexible Data cable

Category 5e class D up to 100 MHz

APPLICATION

Data cable for analogue and digital signal transmission in the frequency range up to 200 MHz. It is designed for wiring in workplace areas for appliance connections or as switchboard cable in patch panels. Suitable for applications up to class D (100 MHz)

Usage: IEEE 802.3 : Ethernet 10Base-T ; Fast Ethernet 100Base-T ; Gigabit Ethernet 1000Base-T
IEEE 802.5 : ISDN ; FDDI ; ATM

STANDARDS

EN 50288-2-2 ; EN 50173 ; ISO/IEC 11801 2. edition

CONSTRUCTION

Conductor: copper strand, bare, AWG 26/7

Core insulation: PE

Core diameter: 0,98 ± 0,05 mm

Core identification: whbu-bu, whor-or, whgn-gn, whbn-bn (IEC 708-1)

Wrapping: PP-foil

Screening: insulating foil (plastic-laminated aluminium foil); drain wire optional; tinned copper wire braid

Sheath material: halogen-free compound (FRNC)

Sheath color: grey, RAL 7035

BEHAVIOR UNDER FIRE CONDITIONS

EN 60332-1-2 ; EN 61034-2 ; EN 50267 ; IEC 60754-1
IEC 60754-2 ; IEC 61034

CHEMICAL PROPERTIES

RoHS 2011/65/EU ; IEC 60811-404 (IRM 902, 4h at 70°C)

ELECTRICAL CHARACTERISTICS

loop resistance max.	max. 280 Ω / km
Insulation resistance min.	min. 5 GΩ x km at +20°C
Operating capacity	nom. 45 nF / km
Impedance	100 Ω ± 5 Ω
Test voltage	700 V / AC
Nominal voltage U_0/U	125 V
NVP	ca. 0,66 c
Signal delay	max. 510 ns/100m
Delay skew	< 25 ns/100m
Coupling attenuation	> 60 dB, Type 2
Coupling resistance	< 100 mΩ/m at 10MHz, Grade 2

THERMAL & MECHANICAL PROPERTIES

Temperature range stationary	-20°C to +60°C
Temperature range during inst.	0°C to +50°C
min. bending radius installed	4 x outer diameter
min. bending radius moved	8 x outer diameter
Maximum traction	90N
Fire load	0,100kWh/m

Dimension	Diameter appr.mm	Cable weight appr.kg/km	Copper index kg/km	Article number
AWG26/7	5.8	38	22	

Version: 11/2023

We reserve changes which serve technical progress • Price upon quantity-specific request

Transmission characteristics

The stated performance data are characteristic measurements.

f (MHz)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB/100m)	EL-FEXT (dB/100m)	RL (dB)
	NOM	NOM	NOM	NOM	NOM
1	0,3	73	73	68	23
4	0,58	65	64	58	26
10	0,93	62	61	51	30
16	1,19	60	59	45	30
20	1,32	58	57	42	30
31,25	1,68	55	53	38	30
62,5	2,43	50	48	34	30
100	3,12	48	45	30	28
155	3,52	46	42	27	26
200	3,9	45	41	23	24



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