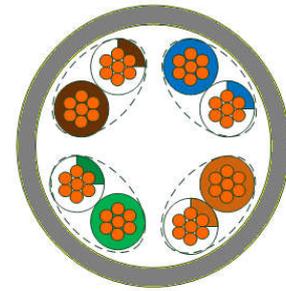


CAT6A FLEX S/FTP STAGELAN BLC PUR

72 V

ISO/IEC 11801-1 ed.1.0(Class F), IEC 61156-5
EN 50173-1, EN 50288-2-1, ANSI /TIA 568.2-D



Application

They are used in cabling in offices, management, R&D buildings with high terminal density, signal communication in information communication systems.

- 10 Base-T (IEEE 802.3)
- 100 Base-T (IEEE 802.3u)
- 1000Base-T (IEEE 802.3u)
- 10G Base-T Gigabit Ethernet
- IEEE 802.3af (Type 1 PoE)
- IEEE 802.3at (Type 2 PoE)
- IEEE 802.3bt (Type 3 PoE)
- IEEE 802.3bt (Type 4 PoE)
- ATM 155
- Token ring (IEEE 805.5)
- TP-PMD (ANSI X3T9.5)
- Power over HDBaseT (PoH)

Construction

Article Number	MRC538001442-1
Conductor	Electrolytic stranded copper conductor (Awg 24/7)
Insulation	Foam/skin polyethylene compound (1,45±0,05)
Individual Screen	Aluminium/pet tape
Stranding	Screened 4 pairs of common twist
Screen	Tinned copper braid (min. %80cov.)
Outer sheath	Tmpu compound
Outer sheath color	RAL 9005 Black
Outer sheath diameter	7,90 ±0,30 mm

Conductor resistance	Resistance imbalance	Capacitance	Capacity imbalance	Velocity of propagation	Signal delay	Characteristic impedance	Test voltage
max.95 Ω/km	max %2	nom. 43 pF/m	max. 1600 pF/km	77%	max.45 ns/100m	100 ± 5 Ω @100MHz	1000V

Transfer Impedance	TCL	Coupling attenuation	Segregation class	Bending radius	Temperature range	Insulation resistance	Operating voltage
Grade 2	min. level 2	Type II	C	fixed min. 4 x D flexing min. 8 x D	-40°C ...+80°C	min 5000 MΩ x m	72V
at 1/10/30/100 Mhz	50 dB ≥	30 to 100 Mhz					
10<10<30<100 mΩ/m	55 dB	≥ 55					

Flame propagation
IEC 60332-1-2; VDE 0482-332-1-2; EN 60332-1-2

Frequency	Near end crosstalk (Next)	Return Loss
MHz	dB	dB/100
4	65	21
10	65	23
16	62	23
31,25	60	23
100	46	18
250	38	14
500	28	9,5