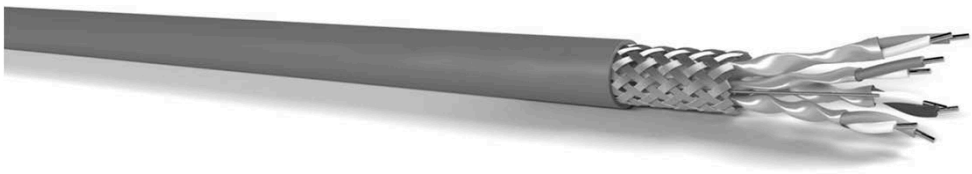
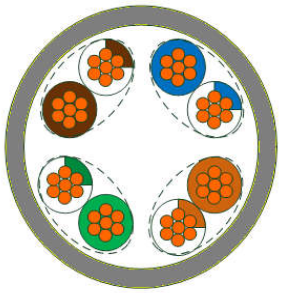
CAT 6A FLEX S/FTP PUR

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