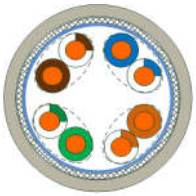
CAT 5 FLEX SF/UTP PUR

72V

Ref. Std. ISO/IEC 11801 2nd ed., IEC 61156-5,IEC 61156-6
EN 50173-1, EN 50288-3-1 ANSI EIA/TIA 568-D.2



Application

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

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
IEEE 802.3af (Type 1 PoE)
IEEE 802.3at (Type 2 PoE)

Construction

Article Number	*MRC526262042-1*
Conductor	*Electrolytic stranded copper conductor (Awg 26/7)*
Insulation	*Solid polyethylene (0,95 ±0,05)*
Stranding	*Cores are twisted in pairs, and all the pairs are twisted together*
Wrapping	*Pet Tape*
Screen	*Aluminium/pet tape;Tinned copper braid (%80 cov.),Tinned copper drain wire(7x0,16mm)*
Outer sheath	*Tmpu compound*
Outer sheath color	*RAL 9005 Black*
Outer sheath diameter	*6,50 ±0,30 mm*

Conductor resistance	***Resistance imbalance***	***Capacitance***	**Capacity imbalance**	**Velocity of propagation**	**Signal delay**	**Characteristic impedance**	***Test voltage***
max.130 Ω/km	max %1	nom. 50 pF/m	max. 1600 pF/km	66%	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*	*22*
10	62	22,8
16	59	23,4
31,25	53	23
100	44	18