



EC 250 Slim UTP HFFR

CAT 6 U/UTP HFFR



Anvendelse

IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, IEEE 802.5 16 MB, ISDN, TPDDI, ATM Power over Ethernet (PoE) / PoE+. Kablerne bruges i netværk med 250 MHz båndbredde. Kablerne er halogenfri, korrosionsfri og brandhæmmende, da kablets yderkappe er fremstillet i et HFFR materiale.

Kablets opbygning

- Leder 4 parsnoede AWG 23 tråde, massiv kobber (Nom. 0,52 mm)
- Isolation PE
- Adskiller PE
- Yderkappe HFFR* EN 50290-2-27
- Ø 5.50 mm ± 0.3

Tekniske egenskaber

Kabelvægt	41 kg/km
Kobbervægt	17.3 kg/km
Min. bøjningsradius under installation	50 mm
Min. bøjningsradius efter installation	25 mm
Maks. trækraft	90 N
Min. klemstyrke	1000 N/10 cm
Min. slagfasthed	10 slag
Installationstemperatur	0°C ... +50°C
Anvendelsestemperatur	-20°C ... +60°C
Pakning, udtræksboks	305 / 500 m

Elektriske egenskaber

Maks. ledermodstand	<9.5 Ω / km
Maks. forskel i ledermodstand	< 2%
Min. isolationsmodstand	5000 MΩ x m
Kapacitet	<56 pF / m
Ubalanceret kapacitet	1600 pF / km
Impedans ved 100 MHz	100 ± 5 Ω
Udbredelseshastighed	67 %
Signalforsinkelse	45 ns / 100 m
Testspænding	1000 V
Brugsspænding	125 V

20 °C

Standarder

EIA/TIA-568-C.2
ISO/IEC 11801 2nd ed
IEC 61156-5
EN 50173-1
EN 50288-6-1

Euro klassifikation

D_{ca} s2, d2, a1

Flammehæmmende

EN 60332-1-2

Test for korrosive gasser

TS EN 60754-2

Røgdudvikling

EN 61034-2

Application

IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, IEEE 802.5 16 MB, ISDN, TPDDI, ATM Power over Ethernet (PoE) / PoE+. These cables are used in data communication networks with 250 MHz bandwidth capacity. These cables are Halogen Free, Non Corrosive and Flame retardant, thanks to the HFFR Compound that has been used on their construction.

Cable Construction

- 23 AWG Bare Copper (Nom. 0,52 mm)
- PE Insulation
- Separator PE
- HFFR* TS EN 50290-2-27
- Ø 5.50 mm ± 0.3

Technical Properties

Cable Weight	41 kg/km
Copper Weight	17.3 kg/km
Min. Bending radius during draw in	50 mm
Min. Bending radius permanently installed	25 mm
Max. Tensile Strength	90 N
Min. Crush Resistance	1000 N/10 cm
Min. Impact	10 Impacts
Installation Temperature	0°C ... +50°C
Operating Temperature	-20°C ... +60°C
Packing	305 / 500 m

Electrical Properties

Max. Conductor Resistance	<9.5 Ω / km
Max. Resistance Unbalance	< 2%
Min. Insulation Resistance	5000 MΩ x m
Mutual Capacitance	<56 pF / m
Capacitance Unbalance	1600 pF / km
Impedance at 100 MHz	100 ± 5 Ω
Velocity of Propagation	67 %
Delay Skew	45 ns / 100 m
Test Voltage	1000 V
Operating Voltage	125 V

at 20 °C

Standards

EIA/TIA-568-C.2
ISO/IEC 11801 2nd ed
IEC 61156-5
EN 50173-1
EN 50288-6-1

Euro Class

D_{ca} s2, d2, a1

Flame Retardancy

EN 60332-1-2

Corrosive Gases Test

TS EN 60754-2

Smoke Density

EN 61034-2

Elektriske Data (Nominal) Electrical Data

@ 20 °C

Frekvens Frequency (MHz)	Dæmpning Attenuation (dB/100 m)	NEXT (dB)	PS - NEXT (dB)	ACRF (dB/100 m)	PS-ACRF (dB/100 m)	Refleksionsdæmpning Return Loss (dB)
1	2.1	75	72	68	65	34
4	3.8	66	63	56	53	23
10	6	60	57	48	45	25
100	19.9	45	42	28	25	15
200	29.1	41	38	22	19	13
250	33	39	36	20	17	12