

Kabel i K-rør

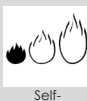
- Pre-wired pipe with U/UTP Cat 6 LSZH 250MHz /Coax trippel shield 1/4,6 LSZH Halogenfree

PP 16/20 UTP CAT 6 250 MHZ 4 PAR AWG 23 /Coax

Pre-wired corrugated, pliable self-recovering conduit acc. to EN 61386-1 and EN 61386-22. U/UTP cat 6 cable, unscreened, used in data communication networks with 250MHz bandwidth capacity. The cable can be used indoor, fixed installed in dry and moist environments, and outdoor if protected against UV. May not be buried. The cable are Halogen Free, Non Corrosive and Flame retardant, meet EN 50575 classification Dca.

Coax cable - RG6 type is specifically designed for use in multimedia networks and complies with screening of class A+ level. A construction with low, high screening efficiency - tripple and high resistance to aging. The cable can be used indoor, fixed installed in dry and moist environments, and outdoor if protected against UV. May not be buried. The cable are Halogen Free, Non Corrosive and Flame retardant, meet EN 50575 classification Dca.

Category	Class	Throughput	Frequency
Cat. 6	E -	<1 Gbit/s -	250 Mhz



CONSTRUCTION

CABLE Cat. 6	
Construction standards	ISO/IEC 11801; EN 50173; IEC61156-5EN50288-1; ANS/TIA/EIA 568-C2
Conductor	Solid copper class 1 AWG 23
Insulation - conductor	PE - coloured
Conductor marking/Pairs Colours Combinations	1 White-Blue / Blue; 2 White-Orange / Orange 3 White-Green / Green; 4 White-Brown / Brown
Conductor laying	Varying short pair lay-length (4 pairs).
Pair separation	PE cross
Jacket	HFFR compound TS EN 50290-2-27
Marking	acc. EIA/TIA-568-C.2
Voltage - nominel Uo/U	125
Voltage - test	1000
Conductor resistance Ω/km	85
Mutual capacitance / Capacitance unbalance pF/m	50/1600
Resistance insulation MΩ x m	5000
Resistant to fire performance	EN 60332-1-2
CPR EN 50575 compliance	Dca
DoP	17092
Temperature - operation	-30 to +70°C
Temperature - installation	0 - +50 °C
Bending Radius Installation/ operation	50/25mm

Coax	
Construction standards	EN 50117-1; EN 50117-2-4
Conductor	1,02 mm bare copper
Insulation - dielectric	4,6 mm Gas injected Skin/Foam/Skin PE
Shield 1	Aluminum Foil bonded to insulation
Shield 2	Aluminum Wire Braiding - 60% coverage
Shield 3	Aluminum Foil bonded to outer sheath
Jacket	6,80 mm HFFR White
Marking	HQ 103 A+ HFFR Dca + meter mark
Impedance	75± 3Ω
Capacitance	53± 2pF/m
Velocity of Propagation	84 %
Insulation Resistance	> GΩxkm
Operating Voltage	1300V
Test Voltage	3000V
Inner Conductor DCR	22,10 Ω/km
Cable Weight	43,1kg/km
Bending radius min.	35mm
Tensile Strength max.	110N
Temperature - installed	-30 to +70
CPR EN 50575 compliance	Dca
DOP	14150

dGROUP

Conduit	
Construction standards	"EN 611386-1; EN 61386-22 ICTA 34423"
Corrugated Conduit	Pliable/Self recovering halogen free Polypropylene
Compression force	750N
Marking	EN, Date, and meter marking: 0-100m
Temperature - operation	-25 to + 90°C
Temperature - installation	-5 to + 90°C
Bending Radius	8 x D
Resistant to fire performance	Flame retantant, selfextinguishing, low smoke toxid emission
Fireclass – constructions acc. EN13501-1	EN ISO 60695-2-1/1 Class E-d2
Insulations resistance	>100MΩ at 500V in 1 min
Test - mechanical	Acc. EN 61386-1; EN 61386-22
Test - electrical	Acc. EN 61386-1; >2,0kV 50HZ in 15 min

MARKING - APPROVALS - DIRECTIVE	
ROHS	2011/65/EU
LVD - Low Voltage Directive	L.V.D. 2014/35/EU
CPR EN 50575 Compliance	305/2011/EU
KEMA-KEUR	ICTA 34423
ECO-Label	Registered for use in "Swan" buildings

Designation	No of pairs/cross section	Cable	Weight cable	Packaging length/ weight	Packaging
		OD/ mm	kg/km	m/kg	
HF-Coilfix 16 U/UTP Cat 6 EC250	4 p AWG 23	5,5	40	100/11,40	Coil
HF-Coilfix 20 2xU/UTP Cat 6 EC250	4 p AWG 23	5,5	40	100/23	Coil
HF-Coilfix 20 2xU/UTP + Coax	4 p AWG 23	5,5 6,8	40 45,1	100/15	Coil

Attenuaton at 20°			
	5 MHz	1,7	dB/100m
	50 MHz	4,7	dB/100m
	230 MHz	9,1	dB/100m
	470 MHz	14	dB/100m
	862 MHz	19,1	dB/100m
	1000 MHz	20,8	dB/100m
	1750 MHz	28,7	dB/100m
	2150 MHz	32,2	dB/100m
	2400 MHz	33,9	dB/100m
	3000MHz	38,2	dB/100m
Return Loss	5-470 MHz	>30	dB
	470-122 MHz	>25	dB
	1200-2000 MHz	>23	dB
	2000-3000 MHz	>18	dB
Transfer Impedance	5-30 MHz	>2,5mΩ/m	
Screening Attenuation	30-1200 MHz	>110	dB
	1200-200MHz	>95	dB
	2000-3000MHz	>85	dB