Coaxial cable

Type	KOKA 90	KOKA 100	KOKA 120
Preferred use	SMATV installation SAT IF	SMATV installation SAT-IF, CATV multimedia	SMATV installation SAT-IF, CATV multimedia
Order number			
100 m reel	-	940 270-100	940 272-100
100 m coil, white	940 271-110	-110	-110
250 m coil, black	-	-210	-
500 m drum, white	940 271-500	-500	-500
100 m coil, (PE) black	-	-113	-
100 m coil FRNC	-	-115	-
100 m coil FRNC	-	-	-115
500 m drum FRNC	-	-	-515
			
Features	Cell PE cable Double shielded High shielding rate	Cell PE cable Double shielded Extremely high shielding rate Extremely low attenuation	Cell PE cable Triple shielded Extremely high shielding rate Extremely low attenuation
Mechanical characteristics			
Inner conductor	1.02 mm, steel Cu	1.13 mm, bare Cu	1.13 mm, bare Cu
Dielectric Ø	4.8 mm PE foamed	4.8 mm Foamed skin PE/ skin blue	4.8 mm Foamed skin PE/ white
Outer conductor Ø	5,4 mm	5,4 mm	5,4 mm
1. Foil	Al/ PET/ Al	Al/ PET/ Copolymer bonded	Al/ PET/ Copolymer bonded
Braid	CuSu	CuSu	CuSu
2. Foil	PET transparent	PET transparent	Al/PET bonded
Sheath Ø	6.8 mm	6.8 mm	6.8 mm
Sheath material	PVC white	PVC white/ PE black/ FRNC grey	PVC white/ PE black/ FRNC grey
Electrical characteristics			
DC resistance*	5.5 Ω/100 m	2.9 Ω/100 m	3.2 Ω/100 m
Propagation velocity	0.81	0.84	0.84
Return loss			
5-470 MHz	25 dB	35 dB	35 dB
470-862 MHz	23 dB	28 dB	28 dB
862-2150 MHz	28 dB	24 dB	24 dB
Coupling resistance (5...30 MHz)	8 m Ωm	3 m Ωm	3 m Ωm
Shielding rate			
30-100 MHz	90 dB	95 dB	110 dB
100-1000 MHz	90 - 100 dB	100 - 110 dB	120 dB
1000-2150 MHz	90 dB	100 dB	110 dB
Attenuation (100 m/20 °C)			
5 MHz	1.90	1.4	1.4
50 MHz	4.68	4.0	4.0
100 MHz	6.30	5.7	5.7
200 MHz	8.70	8.1	8.1
400 MHz	12.31	11.7	11.7
800 MHz	18.75	16.8	16.8
1000 MHz	21.20	19.0	19.0
1600 MHz	27.40	24.5	24.6
2150 MHz	32.70	29.0	29.0
Operating conditions			
Fire loss	0.77 MJ/m (PVC)	0.77 MJ/m (PVC)	0.77 MJ/m (PVC)
Operating temperature	-40°... +70°C	-40°... +70°C	-40°... +70°C
Install temperature	-5°... +50°C	-5°... +50°C	-25°... +50°C
Bending radius, min. one-time	35 mm	35 mm	35 mm
Reference standards			
Product standard	EN 50117-4 Class B ROHS conformant	EN 50117-4 Class A ROHS conformant	EN 50117-4 Class A ROHS conformant

* Loop inner conductor + outer conductor

Koka 90 *- The inexpensive alternative for cabling MATV installations and SAT - IF building distribution systems.*

- *Good shielding characteristics throughout the entire terrestrial and SAT-IF range*
- *Extensively protected against corrosion thanks to copper braid (Cu Sn) and copper sheathed steel inner conductor*
- *Good installation characteristics*
- *RoHS conformant*

Koka 100 *- The blue universal cable is ideal for television distribution systems in the building - uniformly predestined for SAT-IF, terrestrial and return channel enabled CATV installations.*

- *Low attenuation through 1.13 mm inner conductor and phys. foamed PE as dielectric*
- *Excellent shielding characteristics over the entire frequency range*
- *Durable and reliable*
- *Copper insert for inner conductor and braid (tinned)*
- *3 layer dielectric, bonded special Al foil*
- *Excellent stripping and installation characteristics*
- *Special versions KOKA 100 PE and KOKA 100 FRNC*
- *RoHS conformant*
- *Satisfies new Class A in acc. with EN 50117-4*
- *Black variant (UV-resistant) or outside installation*

Koka 120 *- The triple shielding is recommended for television distribution installations in the building with increased shielding requirements and particularly for multimedia enabled CATV networks in critical EMC environments*

- *Extremely good shielding characteristics over the entire CATV range to 1000 MHz*
- *Low attenuation through 1.13 mm inner conductor and phys. foamed PE as dielectric*
- *Durable and reliable - Copper insert for inner conductor and braid (tinned)*
- *3 layer dielectric, bonded special Al foil*
- *Excellent stripping and installation characteristics*
- *Special version - KOKA 120 FRNC*
- *RoHS conformant*
- *Satisfies new Class A in acc. with EN 50 117-4*