

**2YCFGY
2YALGY**

HF – Coaxial Cable 75 Ohm, SAT - conform



Construction

Solid bare copper conductor (0.7 mm), core insulation of polyethylene (PE), longitudinally applied Cu or aluminium foil, wide-meshed copper screen, PVC outer sheath, white.

Application

It is to be applied in dry and humid locations as an aerial cable for community- and cable television networks. SAT-conform.

Temperature range

- 5°C till + 70°C

TYPE		2YCFGY 0,7 / 4,4	2YCFGY 0,7 / 4,6	
Electrical properties at 20°C				
Wave resistance	Z_L	Ohm	75 ± 3	75 ± 3
Attenuation	α_{nom}			
100 MHz	dB / 100 m	8,4	8,2	
	300 MHz	dB / 100 m	16,0	15,7
	450 MHz	dB / 100 m	19,5	19,0
	850 MHz	dB / 100 m	27,1	26,7
	1000 MHz	dB / 100 m	30,9	30,4
	1350 MHz	dB / 100 m	37,2	36,6
Velocity factor		v/c	0,67	0,66
Screening factor		dB	min. 75	min. 75
Nominal DC resistance	Inner conductor	Ohm / km	max. 47,0	max. 43,0
	Outer conductor	Ohm / km	max. 23,0	max. 19,0
Bending radius in mm			30,0	30,0
TYPES	Price	Copper figure	Overall diameter	Weight
	EUR / km	kg / km	ca. mm	ca. kg / km
2YCFGY				
0,7 / 4,4	601,50	17,8	6,5	45
0,7 / 4,6	750,60	17,8	6,8	46
2YALGY				
0,7 / 4,4	601,50	17,8	6,5	44

**2YAFCY
O2YAFCY**

HF – Coaxial Cable 75 Ohm, SAT - conform



Construction

2YAFCY 0,75/4,8	O2YAFCY 1,0/4,5
solid bare copper conductor (0.75 mm), core insulation of polyethylene (PE), (diameter 4.8 mm), longitudinally applied aluminium foil, wide-meshed tinned copper braiding, PVC outer sheath, white.	solid bare copper conductor (1.0 mm), core insulation of foam PE, (diameter 4.5 mm), longitudinally applied aluminium foil, wide-meshed tinned copper braiding, PVC outer sheath, white.
Construction as for KOKA 712 AL.	Construction as for Sat 2000.

Application

It is to be applied in dry and humid locations as an aerial cable for community- and cable television networks. SAT-conform.

Temperature range

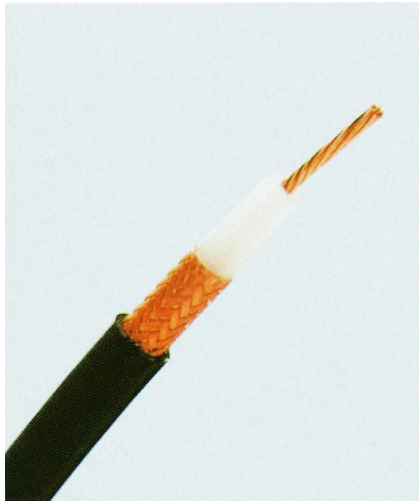
- 5°C till + 70°C

TYPE		2YAFCY 0,75/4,8	O2YAFCY 1,0/4,5	
Electrical properties at 20°C				
Wave resistance	Z_L	Ohm	75 ± 3	
Attenuation	α_{nom}			
	100 MHz	dB / 100 m	8,8	
	300 MHz	dB / 100 m	15,0	
	450 MHz	dB / 100 m	17,5	
	862 MHz	dB / 100 m	25,8	
	1000 MHz	dB / 100 m	28,5	
	1350 MHz	dB / 100 m	34,4	
	1750 MHz	dB / 100 m	40,2	
	2050 MHz	dB / 100 m	45,8	
	2250 MHz	dB / 100 m	49,0	
	2500 MHz	dB / 100 m	51,2	
Screening factor		dB	min. 75	
Nominal DC resistance	Inner conductor	Ohm / km	max. 131	
	Outer conductor	Ohm / km	max. 20	
Bending radius in mm			30,0	
			40	
TYPES	Price	Copper figure	Overall diameter	Weight
	EUR / km	kg / km	ca. mm	ca. kg / km
2YAFCY				
0,75/4,8	668,80	13	7,0	47
O2YAFCY				
1,0/4,5	807,40	14	6,5	44

RG 58 C/U
RG 213 /U

Coaxial Cable 50 Ohm

according to US-Standard MIL - C - 17



Construction

RG 58 C/U	RG 213 /U
Tinned and fine-stranded copper conductor (19 x 0.18), core insulation of polyethylene (PE), (diameter 2.95 mm), a tinned copper braid, outer sheath of PVC, black.	Stranded bare copper conductor (7 x 0.76), core insulation of polyethylene (PE), (diameter 7.25 mm), a bare copper braid, outer sheath of PVC, black.

Application

For indoor installation as well as in industrial areas in conduits and cable ducts, for transmission of high frequency signals and power.

Temperature range

- 35°C till + 80°C

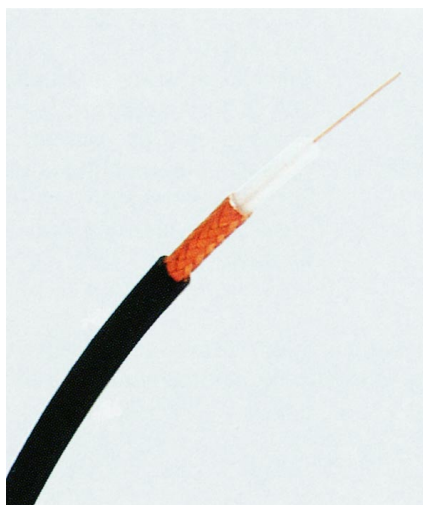
RG - Type			58 C/U	213 /U
Electrical / thermal parameters				
Frequency range	f_{max}	GHz	3	3
Wave resistance	Z_L	Ohm	50 ± 2	50 ± 2
Attenuation	α_{nom}			
	10 MHz	dB / 100 m	4,6	1,8
	20 MHz	dB / 100 m	6,6	2,8
	50 MHz	dB / 100 m	10,7	4,4
	100 MHz	dB / 100 m	15,3	6,8
	200 MHz	dB / 100 m	22,8	9,7
	500 MHz	dB / 100 m	37,0	16,2
	800 MHz	dB / 100 m	48,8	21,5
	1000 MHz	dB / 100 m	55,5	24,5
Capacity	C	nF / km	100,0	100,0
Rel. velocity of propagation	V_{rel}	%	67,0	67,0
Insulation resistance	R_{ISO}	MOhm x km	≥ 10 ⁵	≥ 10 ⁵
Electric strength	50 Hz	kV _{eff}	5,0	10,0
Peak operating voltage		kV _s	2,5	5,2

RG - Type	Price	Copper figure	Overall diameter	Weight
	EUR / km	kg / km	ca. mm	ca. kg / km
58 C/U	900,22	19	5,0	35
58 C/U für Erdverlegung	1.081,90	19	5,0	35
58 C/U halogenfrei	1.899,90	19	5,0	35
213 /U	2.071,33	85	10,3	154

RG 59 B/U
RG 11 A/U

Coaxial Cable 75 Ohm

according to US-Standard MIL - C - 17



Construction

RG 59 B/U

Steel-cored copper conductor, diameter 0.58 mm, core insulation of polyethylene (PE), (diameter 3.7 mm), a bare copper braid, outer sheath of PVC, black.

RG 11 A/U

Tinned and stranded copper, conductor (7 x 0.4), core insulation of polyethylene (PE), (diameter 7.25 mm), a bare copper braid, outer sheath of PVC, black.

Application

For indoor installation as well as in industrial areas in conduits and cable ducts, for transmission of high frequency signals and power.

Temperature range

- 35°C till + 80°C

RG - Type	59 B/U	11 A/U
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Electrical / thermal parameters

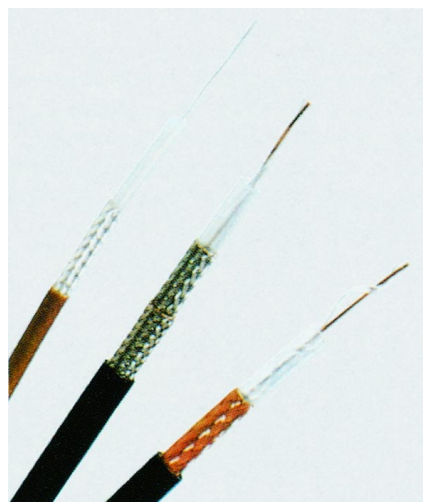
Frequency range	f_{max}	GHz	3	3
Wave resistance	Z_L	Ohm	75 ± 3	75 ± 3
Attenuation	α_{nom}			
	10 MHz	dB / 100 m	3,3	2,3
	20 MHz	dB / 100 m	4,7	3,3
	50 MHz	dB / 100 m	7,5	5,3
	100 MHz	dB / 100 m	11,1	7,7
	200 MHz	dB / 100 m	16,8	11,2
	500 MHz	dB / 100 m	27,0	18,5
	800 MHz	dB / 100 m	35,1	24,3
	1000 MHz	dB / 100 m	39,2	27,7
Capacity	C	nF / km	68,0	68,0
Rel. velocity of propagation	V_{rel}	%	67,0	67,0
Insulation resistance	R_{ISO}	MOhm x km	> 10 ⁵	> 10 ⁵
Electric strength	50 Hz	kV _{eff}	7,0	10,0
Peak operating voltage		kV _s	3,5	5,2

RG - Type	Price EUR / km	Copper figure kg / km	Overall diameter ca. mm	Weight ca. kg / km
59 B/U	857,99	24	6,2	51
59 C/U für Erdverlegung	1.032,10	24	6,2	51
59 C/U halogenfrei	1.812,00	24	6,2	51
11 A/U	2.189,78	56	10,2	125

RG 62 A/U
RG 71 B/U

Coaxial Cable 93 Ohm

according to US-Standard MIL - C - 17



Construction

RG 62 A/U	RG 71 B/U
Steel-cored copper conductor diameter 0.64 mm, core insulation of polyethylene/air (PE/air) (diameter 3.7 mm), bare copper braid, outer sheath of PVC, black.	Steel-cored copper conductor diameter 0.64 mm, core insulation of polyethylene/air (PE/air) (diameter 3.7 mm), double screen of tinned copper braid, outer sheath of PVC, black.

Application

For indoor installation as well as in industrial areas in conduits and cable ducts, for transmission of high frequency signals and power.

Temperature range

- 35°C till + 80°C (RG 62 A/U)
- 50°C till + 70°C (RG 71 B/U)

RG - Type			62 A/U	71 B/U
Electrical / thermal parameters				
Frequency range	f_{max}	GHz	3	3
Wave resistance	Z_L	Ohm	93 ± 3	93 ± 3
Attenuation	α_{nom}			
	1 MHz	dB / 100 m	0,95	0,95
	10 MHz	dB / 100 m	3,0	3,0
	100 MHz	dB / 100 m	9,0	9,0
	400 MHz	dB / 100 m	18,0	18,0
Capacity	C	nF / km	43,0	43,0
Rel. velocity of propagation	V_{rel}	%	83,0	83,0
Insulation resistance	R_{ISO}	MOhm x km	> 10 ⁵	> 10 ⁵
Electric strength	50 Hz	kV _{eff}	3,0	3,0
Peak operating voltage		kV _s	1,1	1,5

RG - Type	Price EUR / km	Copper figure kg / km	Overall diameter ca. mm	Weight ca. kg / km
62 A/U	857,99	23	6,15	55
71 B/U	1.396,68	45	6,22	59