

# CATV-Cables with alu- or copper foil and braiding



used as Type	0.7/4.4 ALG	Underground 1.1/7.3 ALG	Outdoor span 1.1/7.3 ALG-T	Underground 1.8/11.5 FG	BK-Underground A-2YK2Y1 iKx 1.1/7.3	BK-Underground A-2Y0K2Y1 nKx 2.2/8.8	BK-Underground A-2Y0K2Y1 qKx 3.3/13.5	BK-Underground A-2Y0K2Y1 sKx 4.9/19.4
Part no.	40135	40139	40140	40141	40142	40143	40144	40179
<b>Cable structure</b>								
Inner conductor Ø mm	0,7 Copper, bare	1,1 Copper, bare	1,1 Copper, bare	1,8 Copper, bare	1,1 Copper, bare	2,2 Copper, bare	3,3 Copper, bare	4,9 Copper, bare
Insulation Ø mm	4,4 PE	7,3 PE	7,3 PE	11,5 PE	7,3 PE	8,8 PE, hollow	13,5 PE, hollow	19,4 PE, hollow
Outer conductor	Polyester foil coated with aluminium on both sides	Polyester foil coated with aluminium on both sides	Polyester foil coated with aluminium on both sides	Copper tape	Copper tube, welded	Copper tube, welded	Copper tube, welded	Copper tube, welded
Braid	-	Braid	Braid	Braid	-	-	-	-
Outer sheath	PVC	PE	PE	PE	PE	PE	PE	PE
Sheath colour	white	black	black	black	black	black	black	black
Outer Ø app. mm	6,6	10,5	2,8	15,0	11,0	12,5	17,0	24,4
Min. bending radius app. mm	35	100	150	150	160	200	300	400
Strain/suspending wire N	-	-	5500	-	-	-	-	-
Weight app. kg / km	44	98	177	218	142	183	347	500
<b>Electrical characteristics</b>								
<b>Impedance (Ohm)</b>	<b>75 ± 3</b>	<b>75 ± 3</b>	<b>75 ± 3</b>	<b>75 ± 3</b>	<b>75 ± 2</b>	<b>75 ± 2</b>	<b>75 ± 1</b>	<b>75 ± 1</b>
Capacitance pF/m	67	67	67	67	65	51	51	50
Propagation velocity v/c	0,7	0,7	0,7	0,7	0,7	0,88	0,88	0,89
Attenuation at 20°C (dB/100m)								
100 MHz	9	5,2	5,2	3,5	5,4	2,8	1,9	1,3
200 MHz	12	7,3	7,3	5,2	7,9	4	2,7	1,9
500 MHz	21,2	12,6	12,6	9	12,9	6,6	4,4	3,1
800 MHz	27,5	16,8	16,8	12	17,3	8,4	5,7	4,1
950 MHz	30,5	18,8	18,8	13	18,9	9,3	6,3	4,4
1350 MHz	37	23	23	-	-	-	-	-
1750 MHz	43	27,7	27,7	-	-	-	-	-
2050 MHz	47,5	30,2	30,2	-	-	-	-	-
Structural return loss min. (dB) between								
30 and 300 MHz	30	32	32	30	26	26	28	28
300 and 600 MHz	30	32	32	30	23	23	25	25
600 and 960 MHz	25	30	30	28	21	21	23	23
960 and 1750 MHz	23	27	27	25	-	-	-	-
<b>DC resistance at 20°C</b>								
Inner conductor max.Ohm/km	47	18,5	18,5	7,3	22	5,6	2,5	1
Outer conductor max.Ohm/km	23	11	11	6,5	3,1	3	2	1
<b>Screening efficiency (dB)</b>								
50 and 100 MHz≥	75	80	80	80	110	110	110	110
100 and 500 MHz≥	75	85	85	85	110	110	110	110
500 and 1000 MHz≥	75	85	85	85	110	110	110	110
1000 and 2050 MHz≥	75	78	78	80	110	110	110	110
<b>Post office approved</b>	G670009A	G670011A	G622015B	G622010B	-	-	-	-

Dimensions and specifications may be changed without prior notice. (RM01)

## Note

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers.
- BK-underground: broadband cable in accordance with FTZ 15 TV 11 (post cable)
- AL=Aluminium, ALPR=Polyesterfoil coated with Aluminium on both sides
- BK-cable=broadband communication cable, Cu=Copper, CuR=Cu-tube welded, CuW=Copperweld, F=Foil, G=Braid, PE=Polyethylene, PEH=Polyethylene air-space insulation, PVC=Polyvinylchloride