Draka

Draka Comteq | Cable Solutions – EMEA

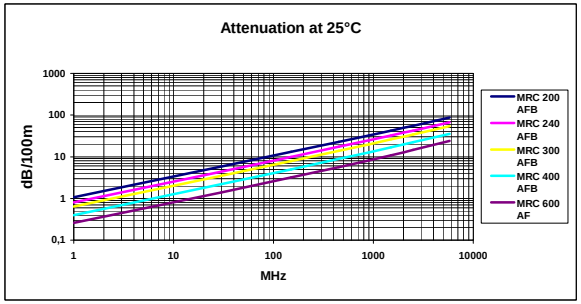
RF-cables according to IEC 61196-1 and EN 50117-1 for General - and Wireless Transmission Application

Cable types

	MRC 200 AFB	MRC 240 AFB	MRC 300 AFB	MRC 400 AFB	MRC 600 AF
Product code	CK2652000	CK2652400	CK2653000	CK2654000	CK2656000

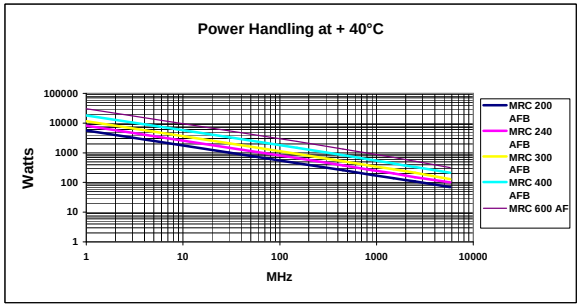
Attenuation (dB/100 m at + 25°C)

Frequency/size					
1	1,06	0,8	0,64	0,4	0,26
30	5,8	4,4	3,5	2,2	1,4
150	13,1	9,9	7,9	5	3,2
450	22,8	17,3	13,8	8,9	5,6
900	32,6	24,8	19,9	12,8	8,2
1500	42,4	32,4	26	16,8	10,9
2000	49,3	37,7	30,3	19,6	12,8
2500	55,4	42,4	34,2	22,2	14,5
5800	86,5	66,8	54,2	35,5	23,8



Power Handling at + 40°C, maximum inner conductor temperature + 100°C

1	5586	8161	11447	18239	30180
30	1020	1490	2090	3330	5510
150	450	660	920	1470	2410
450	260	380	520	830	1350
900	180	260	360	580	930
1500	140	200	280	440	700
2000	120	170	240	370	590
2500	110	150	210	330	520
5800	70	100	130	210	320



General Properties

Construction

Inner conductor[1]:	1.12 mm	1.42 mm	1.78 mm	2.74 mm	4.42 mm
Dielectric[2]:	2.95 mm	3.81 mm	4.83 mm	7.24 mm	11.56 mm
Outer conductor[3]:	3.1/3.7 mm	4.0/4.6 mm	5.0/5.7 mm	7.4/8.2 mm	11.7/12.5 mm
Sheath:	5.0 mm	6.1 mm	7.6 mm	10.3 mm	15.0 mm

Mechanical Characteristics

Bending radius:	25 mm	30 mm	35 mm	50 mm	75 mm
Weight:	42 kg/km	51 kg/km	80 kg/km	140 kg/km	280 kg/km
Temperature range:			`-40 to +85°C		

Electrical Characteristics

Impedance:			50 +- 2 Ohms		
Velocity ratio:	83%	84%	85%	85%	86%
Capacitance:	80 pF/m	79.5 pF/km	79 pF/km	79 pF/km	77 pF/km
DC Resistance:					
Inner conductor:	17.6 Ohm/km	10.5 Ohm/km	7.0 Ohm/km	4.6 Ohm/km	1.2 Ohm/km
Outer conductor:	14.0 Ohm/km	12.8 Ohm/km	8.6 Ohm/km	5.4 Ohm/km	3.9 Ohm/km
Screening factor:			>90 dB		

Abbreviations

Example	MRC 200 AFB
MRC	Mobile Radio Cable
200	200 inch = approx. 5.0 mm
AFB	Al-PET-foil bonded to dielectric and tinned copper braid

Abbreviations

Example	MRC 600 AF
MRC	Mobile Radio Cable
600	600 inch = approx. 15.0 mm
AF	Al-PET-Al-foil + tinned copper braid

Notes

(1)Solid bare copper
(2) Gas injacted low loss foam PE
(3) Al-PET-foil bonded to dielectric and tinned copper braid for all "AFB" types; Al-PET-Al-foil and tinned copper braid for "AF" types