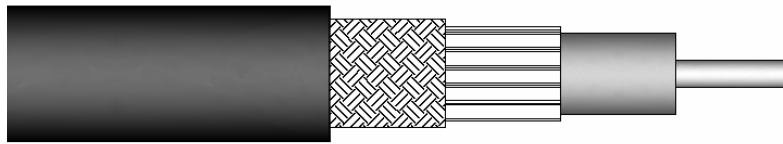


Cable RBK 240 Series

TM-RBK-240



This product used for mobile network and telecommunication equipment.

Part number

RBK 240	Flexible cable; Black PE jacket
RBK 240-W	Flexible cable; White PE jacket
RBK 240-DB	Flexible cable; Waterproof; Black PE jacket
RBK 240-FR	Flexible cable; Black FRPE jacket

Material and Dimension

Inner Conductor	Bare Copper, Solid	1.42mm
Dielectric	Foamed PE	3.81mm
Braid1 Aluminium	Tape	3.94mm
Braid2	Tin-Plated Copper Wire Braid	4.52mm
Jacket	See table above	6.10mm

Electrical data

Impedance	50 Ω
Velocity of propagation	84%
Capacitance	79.4pF/m
Shielding Effectiveness	>90dB
Voltage Withstand	500V DC
DC Resistance	Inner Conductor 11.5 Ω /km
	Outer Conductor 14.8 Ω /km
Attenuation	see table
Power	see table

Mechanical data

Min. bending radius, single	30 mm
Min. bending radius, multiple	60 mm
Weight	50kg/km
Printing	RBK 240
	RBK 240-W
	RBK 240-DB
	RBK 240-FR
	ROSENBERGER RBK 240 "Batch No." xxxxM
	ROSENBERGER RBK 240-W "Batch No." xxxxM
	ROSENBERGER RBK 240-DB "Batch No." xxxxM
	ROSENBERGER RBK 240-FR "Batch No." xxxxM

TECHNICAL DATA SHEET

Rosenberger
Rosenberger Site Solutions, LLC

Cable RBK 240 Series

TM-RBK-240

Environmental data

Temperature range, Operating
2002/95/EC (RoHS)

-25°C to +70°C
Compliant

Attenuation and Power rating

Attenuation typical values at an air temperature of +25°C

Power rating typical values at 40°C ambient temperature, Sea Level and VSWR 1.0

Frequency(MHz)	Attenuation(dB/100m)	Power(W)
30 4.7		1490
50 6.1		1150
150 9.9	660	
220 12.0	540	
450 17.6	380	
900 25.6	260	
1500 34.1		200
1800 37.7		180
2000 40.0		170
2500 43.6		150

* Maximum attenuation value shall be 105% of the nominal attenuation value

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Checker	Approved	Date	Rev.	Engineering change number	Name	Date
Chenchao	04/05/10				c	---	Chenchao	05/08/10
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