



This product used for mobile network and telecommunication equipment.

Part number

RBK 400

Flexible cable; Black PE jacket

RBK 400-DB

Flexible cable; Waterproof; Black PE jacket

RBK 400-FR

Flexible cable; Black FRPE jacket

Material and Dimension

Inner Conductor

Bare Copper Clad Aluminium, Solid

2.74mm

Dielectric

Foamed PE

7.24mm

Braid1

Aluminium Tape

7.39mm

Braid2

Tin-Plated Copper Wire Braid

8.13mm

Jacket

See table above

10.29mm

Electrical data

Impedance

50 Ω

Capacitance

Nom. 77pF/m

Dielectric Resistance

 $\geq 5000M\Omega \cdot KM$

Dielectric Strength

4500V

Shielding Effectiveness

>90dB

Max. Operating Voltage

3000V

Max. Operating Frequency

6GHz

VSWR

 ≤ 1.3 DC-2.5GHz ≤ 1.4 2.5-3GHz

Attenuation

see table

Mechanical data

Min. bending radius, single

25.4mm

Min. bending radius, multiple

101.6mm

Weight

100kg/km

Printing RBK 400

ROSENBERGER RBK 400 "Batch No." xxxxM

RBK 400-DB

ROSENBERGER RBK 400-DB "Batch No." xxxxM

RBK 400-FR

ROSENBERGER RBK 400-FR "Batch No." xxxxM

TECHNICAL DATA SHEET

Rosenberger
Rosenberger Site Solutions, LLC

Cable RBK 400 Series

TM-RBK-400

Environmental data

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

-40°C to +85°C
Compliant

Attenuation

Attenuation typical values at an air temperature of +20°C

Frequency(MHz)	Attenuation(dB/100m)
150	5.58
450	9.84
900	14.41
1500	18.4
1800	20.4
2000	21.65
2500	24.54
5800	38.98

** 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
Shibin	26/10/09				e	CN 09-0124	Shibin	26/10/09
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