

cable length [mm]			
Range length "A"	50 to 100	101 to 1000	1001 to 5000
Tolerance for "A"	±5	±10	±20

All dimensions are in mm; tolerances according to ISO 2768 C

General Information

MultiMag 6 cable assembly consisting of

Break-off plug with magnets
Number and type of contacts

6 spring-loaded contacts

USB 2.0 cable
USB-A connector

Color

White, similar RAL 9010

Available Versions

Type	Description
L99-029-XXX	Black, similar RAL 9005
L99-A0039-XXX	White, similar RAL 9010

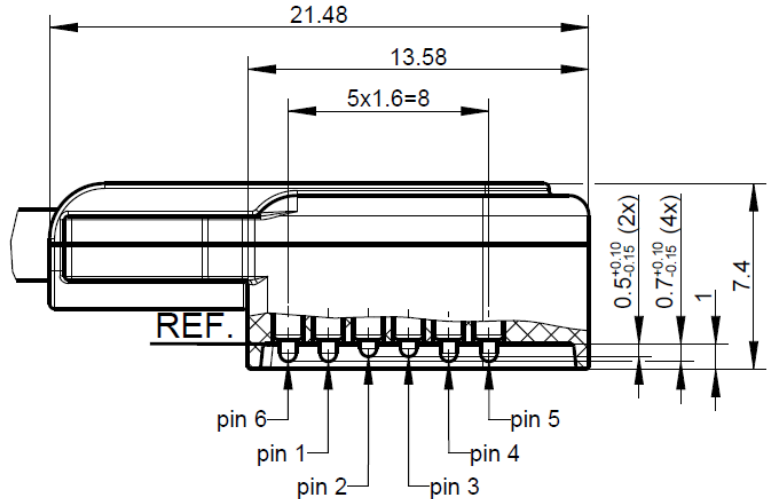
"XXX" = coding for length "A" in mm

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

Technical Data break-off plug

Belegungsplan / pin and cable table		
USB 2.0 A	Kabel / cable	Magnet-schnittstelle magnetic interface
pin 1	Rot / red	pin 1
pin 2	Weiss / white	pin 2
pin 3	Grün / green	pin 3
pin 4	Schwarz / black	pin 4
pin 5	--- / shell	pin 5
pin 6	--- / shell	pin 6



All dimensions are in mm; tolerances according to ISO 2768 C

Interface

Mating with MultiMag 6 Receptacle

Material and Plating break-off plug

Connector parts

Housing bottom and top
Magnets

Material

PC+ABS
NdFeB

Plating / Color

White, similar RAL 9010
Nickel plated

Spring loaded contacts

Piston
Ferrule
Spring

Material

Brass
Brass
Stainless steel wire

Plating / Color

Gold plated
Gold plated

Connectors

USB-A According to USB 2.0 specification

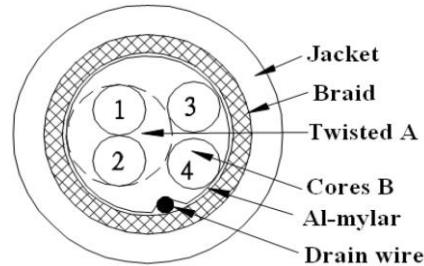
Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

Cable

USB 2.0 cable

According to USB 2.0 specification



Twisted pair (1, 2) Stranded tinned copper wire with PE insulation	2x 28 AWG, Ø 0.40 mm Ø 0.80 mm, green and white
Wire (3, 4) Stranded tinned copper wire with PVC insulation	2x 28 AWG, Ø 0.40 mm Ø 0.80 mm, black and red
Drain wire Tinned copper	1x Ø 0.127 mm
Foil coverage Braid shield	Al mylar Tinned copper
Jacket TPE	Ø 3.40 mm

Electrical Data

Designed for USB 2.0 specification	5 V DC, 0.5 A
Maximum voltage	24 V DC
Maximum current	1 A
Test voltage	500 V DC
Insulation resistance	≥ 100 MΩ
Contact resistance	typically ≤ 50 mΩ

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09_14/6.2

