

COAX CBR50 50 OHM (POLYIMMIDE) IEC 60332-3-24 CERN IS23	Specification		1HRS281
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CONSTRUCTION DETAILS

Bare copper conductor 7x0,30 mm
Several layers of polyimide tapes to diameter 3,5 mm +/- 0,2 mm
Tinned copper braid overall shield, wire diameter 0,15 mm, coverage 95%, nominal diameter 4,10 mm
Two layers of polyimide tapes 0,05 mm, over lap 50% colour black
Nominal overall diameter 4,50 mm +/-0,2

Marking:: CERN - CBR50 - NOVACAVI - ZERO HALOGEN

ELECTRICAL AND PHYSICAL CHARACTERISTICS

Electrical resistance inner conductors	< 38,40 ohm/km @ 20°C
Electrical resistance outer conductors	< 9,60 ohm/km @ 20°C
Nominal capacitance	123 pF/m
Nominal impedance	50 OHM
Propagation velocity	57%
Nominal calculated attenuation db/100 m :	
1 MHz 10 MHz 100 MHz	
1.4 5,0 22,0	

Test voltage : 10 kV ac

OTHER CHARACTERISTICS

Weight	: 43,7 kg/km
Bending radius static min.	: 40 mm
Working temperature	: -269/+260 °C

REFERENCE STANDARDS

IEC 60332-3-24, IEC 60332-1, IEC 60754-1, IEC 61034-2, CERN IS23

NOVACAVI SPA	Issued	Checked	Date
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