



All dimensions are in mm; tolerances according to ISO 2768 m-H

Properties

The RDC (Rosenberger Duplex Connector) with 2 optical fibres is a robust screw locking connector system for use in harsh environments. When mated, the connector and coupler are sealed to EN 60529 IP67. APC polishing (8°) of the ferrules is available for high return loss (testable from 3 meters). Dust caps available in a variety of styles and designs.

Standards

RDC, acc. to IEC 61754-31

Material for connectors

Ferrule/Sleeves:	Zirconia ceramic, 2x Ø1.25 mm
Connector body:	Brass, nickel plated
Ferrule holder:	Plastic, UL 94-V0
Boot:	TPV
Crimp sleeve:	Copper, nickel plated
Gasket:	Silicon rubber

Optical data

Insertion Loss:	Typical	Max.
SM / MM:	0,25 dB	0,50 dB
Return Loss:	SM: ≥ 50 dB (PC) und ≥ 65 dB (APC) MM: ≥ 20 dB	

Mechanical data

Mating cycles	500
Tightening torque	1,0 to 2,0 Nm

Environmental data

Operating temperature range	-40°C to +125°C (dependent on the cable type)
Storage temperature range	-40°C to 85°C (dependent on the cable type)
Vibration	IEC 61300-2-1
Salt mist	IEC 61300-2-26. 30-days
RoHS	Compliant

Cable type

Cable: SM / MM Mini-Breakout, Breakout, Loose-tube

Packing

Standard packaging.

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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Y. Zhang	15.05.17	S. Wiener	21.03.19	004	004	M. Komarow	09.11.23