



**Properties**

Rosenberger Duplex Connector (RDC), straight plug, with undetachable protection cap for outdoor application.

**Interface**

RDC, acc. to IEC 61754- 31

**Material for connectors**

Ferrule :	Zirconia ceramic, Ø1.25 mm
Body :	Brass, flash white bronze plating
Gasket	Silicon Rubber
Boot :	TPV

**Optical data**

Insertion Loss :	S/M	Typical	max.
	M/M	0.25 dB	0.50 dB
Return Loss :	S/M	0.25 dB	0.50 dB
	M/M	≥50 dB(UPC), ≥65 dB(APC)	≥20 dB

**Mechanical data**

Mating cycle	≥ 500
Strain relief	2X 70 N(dependent on the cable type)
Coupling torque	1.0 to 2.0 Nm

**Environmental data**

Operation temperature range	-40°C to +125°C
Storage temperature range	-40°C to +85°C

*Limitations are possible due to the used cable type*

Vibration	IEC 61300-2-1
Salt mist	IEC 61300-2-26. 30 days
RoHS	Compliant

**Tooling**

On request

**Dust Cap**

Metal or Plastic

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

**Suitable cables**

Fiber S/M, G652D, G657A1, G657A2  
 Round Cable Types : M/M, 62.5/125µm, 50/125µm OM2, OM3 and OM4  
 Ø 0.9 or 1.8mm

**Packaging**

Standard Packaging.

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

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	Approved	Date	Rev.	Engineering change number	Name	Date
Y.Zhang	15.05.2017	H.Jungbäck	15.05.2017	002	---	Y.Zhang	15.05.2017