



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
Crimp Sleeve	Copper, nickel plating
Boot :	TPV

Optical data

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

Mechanical data

Mating cycle	≥ 500
Strain relief	700 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
Ingress Protection, mated	EN 60529 IP 67
RoHS	Compliant

Tooling

On request

Dust Cap

Metal or Plastic

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Suitable cables

Fiber

S/M, G652D, G657A1, G657A2
 M/M, 62.5/125µm, 50/125µm OM2, OM3 and OM4
 Ø 4 – 7.5mm(Breakout or MiniBreakout)

Round Cable Types :

Packaging

Standard Packaging.

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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