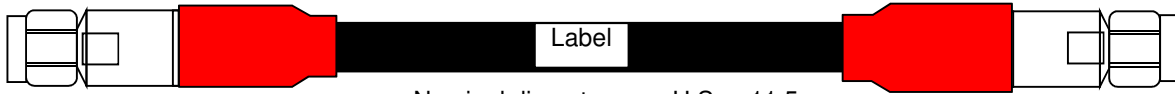


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 6/26/19

<b>Technical Data Sheet</b>	<b>Rosenberger</b>
<b>Cable assembly</b> 2.92 mm(m) / 2.92 mm(m) – APSK 0F 2.92 mm(m) / 2.92 mm(f) – APSK 0F	<b>APSK-0F-XXXXX-DD</b> <b>APSK-0F-XXXXX-DE</b>



All dimensions are in mm; tolerances:  
 ≤ 100: XXX ± 2.0; > 100 to ≤ 1500: XXX ± 5.0; > 1500 to ≤ 3000: XXX ± 10.0; > 3000: ± 1.5%

### Available variants

Type	Max Insertion Loss	Marking	Weight (g) / pce
APSK-0F-XXXXX-DD 2.92 M-M, - DE = 2.92 M-F	$\leq (.57\sqrt{F} + .023F)L + .08\sqrt{F}$	ROSENBERGER YYWW APSK-0F-XXXXX-YY	0.84.7g/mm * L +21 g

XXXXX – length in mm = A, L in Meters  
 WW – week YY – year

Note: max Insertion Loss:  
 Weight:  
 First Constant = Cable weight per mm; Second Constant = Connector left and Connector right per pce

### Assembly parts

Connector, left	2.92 mm(m)	02S121-271S3
Connector, right	2.92 mm(m) or 2.92 (f)	02S121-271S3 or 02K121-271S3
Cable	Cable Type	APSK – 0F cable
Armor	Description/construction	Integral Armor, steel spiral with black fabric cover
Strain Relief	Color	Red over black Heat shrink.

### Electrical data

Impedance	50 Ω
Frequency	DC to 40 GHz
Delay Matching	PY: Not applicable LY: Not applicable
Intermodulation (3rd order @ 2 x 20 W)	Not applicable
Return Loss <sup>1</sup>	≥ 16 dB, DC to 50 GHz
Insertion Loss <sup>1</sup>	≥ 18 dB, DC to 30 GHz see table above.

<sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor

### Mechanical data

Minimum bend radius	
Single	25.4 mm
Multiple	35.4 mm
Armor diameter	Ø5.7 mm
Crush strength	43 N/mm
Diameter, nominal	5.77mm (.305 inches)

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
B.Cardwell	4/14/2020	B.Cardwell	4/14/2020	100	20_e000	B.Cardwell	4/14/2020
Rosenberger North America P.O. Box 309 Akron, PA USA 17501 <a href="http://www.rosenbergerna.com">www.rosenbergerna.com</a>				Tel. : +1.717.859.8900 Fax : +1.717.859.7044 Email : <a href="mailto:info@rosenbergerna.com">info@rosenbergerna.com</a>			Page 1 / 2

## Technical Data Sheet

# Rosenberger

Cable assembly  
2.92 mm(m) / 2.92 mm(m) – APSK 0F  
2.92 mm(m) / 2.92 mm(f) – APSK 0F

**APSK-0F-XXXXX-DD**  
**APSK-0F-XXXXX-DE**

### Environmental data

Temperature range -40°C to +85°C  
IP Rating N.A.  
RoHS Compliant

### Additional Electrical Specifications

Return Loss Stability(min): -30 dB  
Velocity of Propagation 85%  
Shielding effectiveness >90 dB @ 1 Ghz

### Phase Stability

Parameter	1 Ghz	26.5 Ghz	40 Ghz	-
Insertion Loss stability (max @ 25°C)	+/- .05 dB/m	3.5 dB/m	5.4 dB/m	-
Phase stability, natural curl	+/- 1°	+/- 6°	+/- 9°	-
Phase stability, reverse curl	+/- 1°	+/- 6°	+/- 9°	-
Return Loss stability natural curl	>30 dB	>30 dB	>30 dB	-
Return Loss stability reverse curl	>30 dB	>30 dB	>30 dB	-

### Packaging Information

Product shipped in a pink, anti-static bag, with label and S11, S12, S21 and S22 test results

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