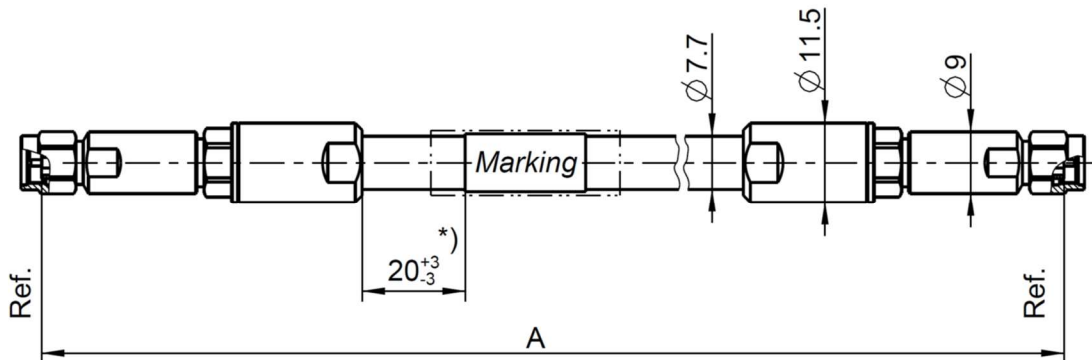


Cable assembly
RPC-3.50 plug – RTK 162 – RPC-3.50 plug - Armour

LU7-508-XXX



All dimensions are in mm; tolerances: ± 3mm for A ≤ 300 mm; ± 1% for A > 300 mm
*) If length "A" < 150 mm marking is mount centric ±5 mm

Available variants

| Type | Insertion loss at 26.5 GHz | Marking | Weight (g) / pce |
|-------------|---------------------------------|--|-------------------------|
| LU7-508-XXX | ≤ 0.00203 dB/mm * A mm + 0.4 dB | ROSENBERGER LU7-508-XXX FAC-RRRRRRR  | 0.139 g/mm * A mm +29 g |

XXX – length in mm = A
ssss – serial no. FAC – Factory Code RRRRRRR – lot no. Barcode = includes factory code, lot no. and serial no.

Note: max. Insertion Loss:
First constant = Cable attenuation in dB /mm; Second Constant = Connector left and Connector right +needed Adaptor

Weight:
First constant = Cable- and Armour- weight per mm; Second Constant = Connector left and Connector right weight per pce

Assembly parts

| | | |
|-----------------|-----------------|---------------|
| Connector left | RPC-3.50 plug | 03S129-2U7S3 |
| Connector right | RPC-3.50 plug | 03S129-2U7S3 |
| Cable | RTK 162 | |
| Armour | T3 Armour | |
| Clamping sleeve | Stainless steel | 05S129-2U7/41 |
| Tension sleeve | Stainless steel | 05S129-2U7/42 |

Electrical data

| | |
|-----------------------------|------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 26.5 GHz |
| Return loss ¹ | ≥ 19 dB, DC to 26.5 GHz |
| Insertion loss ¹ | see table available variants |

Individual testing and documentation:
Measurement plot with all 4 S-Parameters (S11; S22; S21; S12) and the care and handling instruction are included with the cable assembly. Measurement adaptors used are mentioned in the commentary field.

¹ Return Loss and Insertion Loss includes the measurement adaptor

Technical Data Sheet

Rosenberger

Cable assembly
RPC-3.50 plug – RTK 162 – RPC-3.50 plug - Armour

LU7-508-XXX

Mechanical data

Minimum bend radius:
Multiple 53 mm

Environmental data

Temperature range -40°C to +85°C
RoHS compliant

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| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|----------|----------|-------------|----------|------|---------------------------|-----------|----------|
| M. Moder | 05.04.19 | H. Babinger | 24.02.21 | a00 | 21-s059 | A. Youmsi | 24.02.21 |

| | | |
|--|--|---------------|
| Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de | Tel. : +49 8684 18-0 Email : info@rosenberger.de | Page 2 / 2 |
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