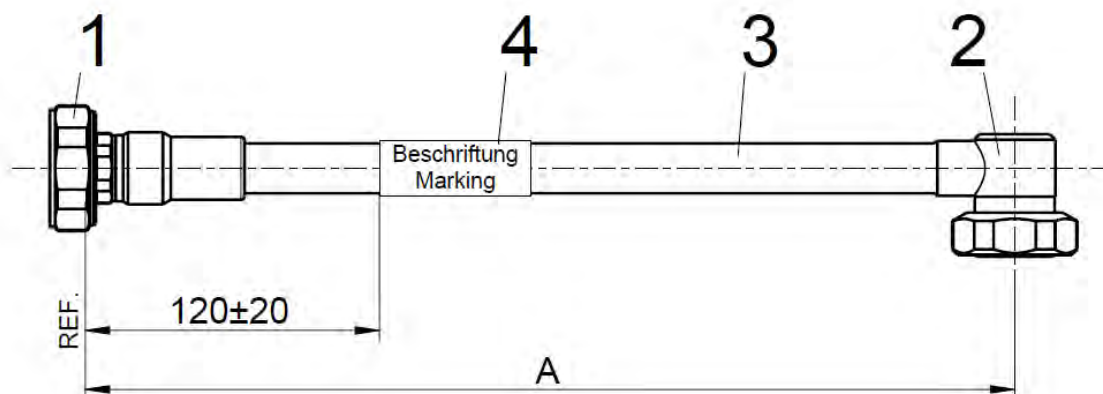




## Function Description

This part is a coaxial cable assembly for telecommunication equipment. It consists of 1/2" super flexible coaxial cable with PE jacket, one 7/16 male and one 7/16 r/a male connector. The assembly is waterproof in mated condition and UV protected.

## Available Variants

The assembly is available in lengths from 0.5 m to 10 m in intervals of 0.5 m. Different feet length are available on request.

## Assembly Parts

|                 |                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------|
| Connector       | 7-16 male & r/a male connector plated with white bronze                                                     |
| Cable           | S-Link 1/2"S, PE jacket                                                                                     |
| Marking         | Direct print 2x onto the cable or one wrapping label<br>Marking includes manufacturer, part nr. & batch no. |
| Bend Protection | molding material PE compound                                                                                |

## Electrical Data

|                                  |                                          |
|----------------------------------|------------------------------------------|
| Impedance                        | 50 Ω                                     |
| Frequency                        | DC to 2.7 GHz                            |
| Return loss                      | length ≤ 5 m      length > 5 m           |
| DC – 1 GHz                       | ≥ 32 dB      ≥ 30 dB                     |
| 1 – 2.2 GHz                      | ≥ 30 dB      ≥ 28 dB                     |
| 2.2 – 2.7 GHz                    | ≥ 28 dB      ≥ 26 dB                     |
| Insertion loss typ.              |                                          |
| DC – 1 GHz                       | ≤ 0.12 dB/m (cable) + 0.05 dB * √f (GHz) |
| 1 – 2.2 GHz                      | ≤ 0.18 dB/m (cable) + 0.05 dB * √f (GHz) |
| 2.2 – 2.7 GHz                    | ≤ 0.20 dB/m (cable) + 0.05 dB * √f (GHz) |
| Intermodulation (3rd order)      | ≤ -117 dBm @ 2 x 20 W                    |
| Relative Velocity of Propagation | 83 %                                     |
| DC breakdown voltage             | 2500 V                                   |

## Technical Data Sheet

**Rosenberger**  
Rosenberger Site Solutions, LLC

½" JUMPER

7-16 MALE / 7-16 R/A MALE

**SLJ12SP-60M60R-X-00**

### Mechanical Data

|                                                            |              |
|------------------------------------------------------------|--------------|
| Coupling torque (recommended)                              | 25 to 30 Nm  |
| Spanner flat on coupling nut                               | 32 mm        |
| Cable diameter, jacket                                     | 13.5 mm typ. |
| Tensile strength                                           | 700 N        |
| Recommended hanger spacing                                 | 0.8 m        |
| Minimum bend radius single                                 | 25 mm*       |
| Minimum bend radius repeated 20(50)                        | 35 mm*       |
| *Bending starts behind connector incl. the kink protection |              |

### Environmental Data

|                                |                                       |
|--------------------------------|---------------------------------------|
| Operation temperature range    | -40 °C to +80 °C                      |
| Installation temperature range | -25 °C to +60 °C                      |
| Degree of protection           | IEC 60529, IP68 1 bar for 1 h (mated) |
| RoHS                           | compliant                             |

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           |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|----------------|
| M. Wimmer                                                                                                                                 | 20.12.2013 | J. Peteranderl | 20.12.2013 | 100                                                                                                                                       | 13-1281                   | F. Oellerer | 20.12.2013     |
| Corporate Headquarters<br>Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O. Box 1260 D-84526 Tittmoning Germany<br>Tel. +49 8684 18-0 |            |                |            | Rosenberger Site Solutions, LLC<br>P.O. Box 4268, Lake Charles, LA 70606<br>Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us<br>www.rlss.us |                           |             | Page<br>2 of 2 |