

## Rosenberger Jumper Assemblies



Rosenberger SLink™ jumpers are ideal for daily use withstanding the harshest environmental conditions and distinguished by the following characteristics:

- Specially developed connectors using proprietary soldering technology guarantees superior electrical performance
- Injection molded sealing between the cable jacket and connector ensures mechanical stability and waterproof protection to IP68.
- Shielding of > 120 dB
- Low intermodulation product IM3 -160 dBc
- Excellent return loss due to silver-plated connectors and attenuation-optimized cable
- 100% factory tested for Intermodulation (IM3) and return loss
- Available with flame retardant, halogen-free cable jackets (FRNC)
- Available in any cable length with a large variety of connector combinations

Electrical Data					
Type		1/4" S	3/8" S	1/2" S	1/2" R
Peak power rating		8kW	13kW	19kW	58kW
Insertion loss	900 MHz	0.05 dB/ft	0.04 dB/ft	0.03 dB/ft	0.02 dB/ft
		+ 0.10 dB (connectors)	+0.10 dB (connectors)	+0.10 dB (connectors)	+0.10 dB (connectors)
	1800 MHz	0.08 dB/ft	0.06 dB/ft	0.05 dB/ft	0.03 dB/ft
		+0.10 dB (connectors)	+0.10 dB (connectors)	+0.10 dB (connectors)	+0.10 dB (connectors)
	2200 MHz	0.09 dB/ft	0.07dB/ft	0.05 dB/ft	0.03 dB/ft
		+0.10 dB (connectors)	+0.10 dB (connectors)	+0.10 dB (connectors)	+0.10 dB (connectors)
Frequency range	DC to 2700 MHz				
Nominal impedance	50 Ω				
Return loss <sup>1</sup>	30 - 1000 MHz	≥ 30 dB			
	1000 - 2200 MHz	≥ 28 dB			
	2200 - 2700 MHz	≥ 26 dB			
Relative velocity of propagation	82% to 84%				
Intermodulation at 900 MHz + 1800 MHz + 2200 MHz					

Mechanical Data					
Type		1/4" S	3/8" S	1/2" S	1/2" R
Bending radius, repeated bending		25 mm (0.98 in)	25 mm (0.98 in)	30 mm (1.18 in)	120 mm (4.72 in)
Bending radius, single bending		12.5 mm (0.49 in)	12.5 mm (0.49 in)	15 mm (0.59 in)	70 mm (2.76 in)
Max. tensile strength		max. 350 N	max. 600 N	max. 1000 N	max. 1200 N

Environment					
Type		1/4" S	3/8" S	1/2" S	1/2" R
Waterproof to safety class (IEC 529)		IP 682 with coupled interface			
Max. operating temperature range		- 40° C to + 80° C (- 40° F to +176° F)			
Installation temperature range		- 15° C to + 60° C (+5° F to +140° F)			
Mechanical oscillation		MIL STD 202 Method 204/B			
Shock resistance		MIL STD 202 Method 213/B			
Corrosion resistance		MIL STD 202 Method 101			

Materials					
Type		1/4" S	3/8" S	1/2" S	1/2" R
Cable	Inner conductor	copper clad aluminum wire			
	Dielectric	highly foamed polyethylene			
	Outer conductor	spiral corrugated copper tube	spiral corrugated copper tube	spiral corrugated copper tube	annular corrugated copper tube
	Jacket options	FRNC and PE, black and light grey (RAL 7004)			
Connector	Inner conductor	brass / CuBe, silver-plated			
	Outer conductor	brass, silver-plated			
	Insulator	PP / PE / PTFE			
	Sealing	hot-polyamide molding			

## Rosenberger Jumper Assembly Part Number Configurator

SLJ	Cable Size	Cable Type	Jacket Type	—	Conn.1 Type	Conn.1 Sex	Conn.2 Type	Conn.2 Sex	—	Length	Unit	—	00
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Cable Size	Cable Type	Jacket Type
14 = 1/4"	R = Regular	P = PE
38 = 3/8"	S = Sup.Flex	F = FRNC
12 = 1/2"		

  

Conn.1 Type	Conn.1 Sex	Conn.2 Type	Conn. 2 Sex
60 = 7-16 DIN	M = Male	60 = 7-16 DIN	M = Male
53 = N	F = Female	53 = N	F = Female
65 = 4.1-9.5	R = Right Angle M	65 = 4.1-9.5	R = Right Angle M
64 = 4.3-10		64 = 4.3-10	

  

Length	Unit
numerical value of length	ft = feet
	m = meter

### Example:

For a 100 feet 1/2" Superflex PE 7-16 DIN Male Straight to 7-16 DIN Male Right Angle jumper the part number would be: **SLJ12SP - 60M60R - 100ft - 00**

## 1/2" Super Flex Jumper Assemblies

### 7-16 DIN Male - 7-16 DIN Male

Foot (ft) Lengths	Part Number	Length
	SLJ12SP-60M60M-2ft-00	2 ft
	SLJ12SP-60M60M-3ft-00	3 ft
	SLJ12SP-60M60M-4ft-00	4 ft
	SLJ12SP-60M60M-6ft-00	6 ft
	SLJ12SP-60M60M-8ft-00	8 ft
	SLJ12SP-60M60M-10ft-00	10 ft
	SLJ12SP-60M60M-12ft-00	12 ft
	SLJ12SP-60M60M-15ft-00	15 ft
	SLJ12SP-60M60M-20ft-00	20 ft

### 7-16 DIN Male - 7-16 DIN Male Right Angle

Foot (ft) Lengths	Part Number	Length
	SLJ12SP-60M60R-2ft-00	2 ft
	SLJ12SP-60M60R-3ft-00	3 ft
	SLJ12SP-60M60R-4ft-00	4 ft
	SLJ12SP-60M60R-6ft-00	6 ft
	SLJ12SP-60M60R-8ft-00	8 ft
	SLJ12SP-60M60R-10ft-00	10 ft
	SLJ12SP-60M60R-12ft-00	12 ft
	SLJ12SP-60M60R-15ft-00	15 ft
	SLJ12SP-60M60R-20ft-00	20 ft

Meter (m) Lengths	Part Number	Length
	SLJ12SP-60M60M-1m-00	1 m
	SLJ12SP-60M60M-2m-00	2 m
	SLJ12SP-60M60M-3m-00	3 m
	SLJ12SP-60M60M-4m-00	4 m
	SLJ12SP-60M60M-5m-00	5 m
	SLJ12SP-60M60M-6m-00	6 m
	SLJ12SP-60M60M-8m-00	8 m
	SLJ12SP-60M60M-10m-00	10 m
	SLJ12SP-60M60M-20m-00	20 m

Meter (m) Lengths	Part Number	Length
	SLJ12SP-60M60R-1m-00	1 m
	SLJ12SP-60M60R-2m-00	2 m
	SLJ12SP-60M60R-3m-00	3 m
	SLJ12SP-60M60R-4m-00	4 m
	SLJ12SP-60M60R-5m-00	5 m
	SLJ12SP-60M60R-6m-00	6 m
	SLJ12SP-60M60R-8m-00	8 m
	SLJ12SP-60M60R-10m-00	10 m
	SLJ12SP-60M60R-20m-00	20 m

\*\*\* For Additional Lengths please use Part Number Configurator

# 1/2" R Jumper Assemblies



7-16 DIN Male - 7-16 DIN Male

7-16 DIN Male - 7-16 DIN Male Right Angle

<b>Foot (ft) Lengths</b>	<b>Part Number</b>	<b>Length</b>
	SLJ12RP-60M60M-2ft-00	2 ft
	SLJ12RP-60M60M-3ft-00	3 ft
	SLJ12RP-60M60M-4ft-00	4 ft
	SLJ12RP-60M60M-6ft-00	6 ft
	SLJ12RP-60M60M-8ft-00	8 ft
	SLJ12RP-60M60M-10ft-00	10 ft
	SLJ12RP-60M60M-12ft-00	12 ft
	SLJ12RP-60M60M-15ft-00	15 ft
	SLJ12RP-60M60M-20ft-00	20 ft

<b>Foot (ft) Lengths</b>	<b>Part Number</b>	<b>Length</b>
	SLJ12RP-60M60R-2ft-00	2 ft
	SLJ12RP-60M60R-3ft-00	3 ft
	SLJ12RP-60M60R-4ft-00	4 ft
	SLJ12RP-60M60R-6ft-00	6 ft
	SLJ12RP-60M60R-8ft-00	8 ft
	SLJ12RP-60M60R-10ft-00	10 ft
	SLJ12RP-60M60R-12ft-00	12 ft
	SLJ12RP-60M60R-15ft-00	15 ft
	SLJ12RP-60M60R-20ft-00	20 ft

<b>Meter (m) Lengths</b>	<b>Part Number</b>	<b>Length</b>
	SLJ12RP-60M60M-1m-00	1 m
	SLJ12RP-60M60M-2m-00	2 m
	SLJ12RP-60M60M-3m-00	3 m
	SLJ12RP-60M60M-4m-00	4 m
	SLJ12RP-60M60M-5m-00	5 m
	SLJ12RP-60M60M-6m-00	6 m
	SLJ12RP-60M60M-8m-00	8 m
	SLJ12RP-60M60M-10m-00	10 m
	SLJ12RP-60M60M-20m-00	20 m

<b>Meter (m) Lengths</b>	<b>Part Number</b>	<b>Length</b>
	SLJ12RP-60M60R-1m-00	1 m
	SLJ12RP-60M60R-2m-00	2 m
	SLJ12RP-60M60R-3m-00	3 m
	SLJ12RP-60M60R-4m-00	4 m
	SLJ12RP-60M60R-5m-00	5 m
	SLJ12RP-60M60R-6m-00	6 m
	SLJ12RP-60M60R-8m-00	8 m
	SLJ12RP-60M60R-10m-00	10 m
	SLJ12RP-60M60R-20m-00	20 m

\*\*\* For Additional Lengths please use Part Number Configurator on page 29