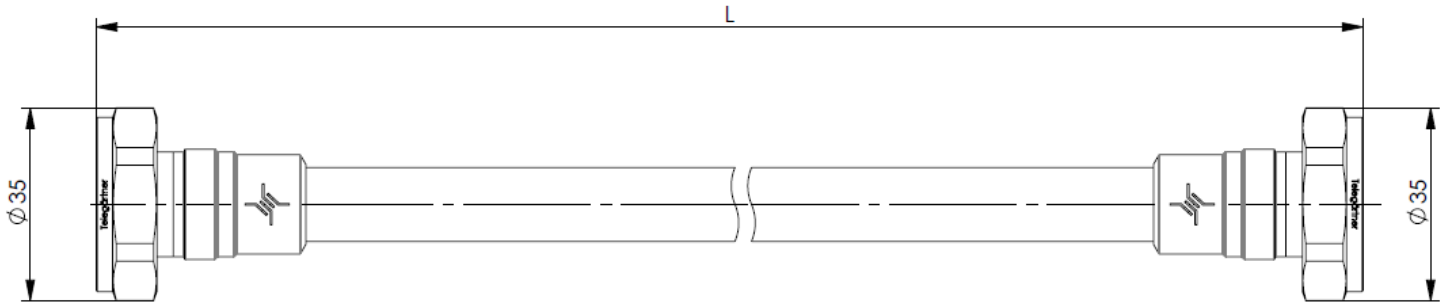


# 1/2" Flexible Jumper Cables

## 7-16 Male to 7-16 Male Connectors



| Mechanical Specifications   | Cable                                          | Connector Left Side  | Connector Right Side |
|-----------------------------|------------------------------------------------|----------------------|----------------------|
| Type                        | 1/2" Superflex Helically Corrugated            | 7-16 Male            | 7-16 Male            |
| Material Centre Conductor   | Copper-Clad Aluminium                          | Brass, Silver Plated | Brass, Silver Plated |
| Material Outer Conductor    | Copper                                         | Brass, Silver Plated | Brass, Silver Plated |
| Material Dielectric         | Foam Polyethylene                              | PTFE                 | PTFE                 |
| Material Jacket             | Black Polyethylene, Halogen Free, UV Resistant | -                    | -                    |
| CPR Rating                  | -                                              | -                    | -                    |
| Material Coupling Nut       | -                                              | Brass, Nickel Plated | Brass, Nickel Plated |
| Material Gasket             | -                                              | Silicone             | Silicone             |
| Min Bending Radius Single   | 30 mm                                          | -                    | -                    |
| Min Bending Radius Repeated | 55 mm                                          | -                    | -                    |
| Coupling Torque             | -                                              | 25-35 Nm             | 25-35 Nm             |

| Environmental Specifications       |                                                                     |
|------------------------------------|---------------------------------------------------------------------|
| Temperature Range Installation     | -25°C to +60°C                                                      |
| Temperature Range Operation        | -40°C to +85°C                                                      |
| Relative Humidity Operation        | 0-100%                                                              |
| Ingress Protection                 | IP68 mated (2.5 bar / 1 h), unmated (0.1 bar / 1 h), barrier sealed |
| Test Conditions Ingress Protection | IEC 60529                                                           |
| Additional Weather Protection      | -                                                                   |

| General Electrical Specifications                     |      |      |      |      |      |      |      |      |       |
|-------------------------------------------------------|------|------|------|------|------|------|------|------|-------|
| Frequency [MHz]                                       | 450  | 900  | 1800 | 2200 | 2700 | 3400 | 4000 | 5000 | 6000  |
| Typical Return Loss [dB]                              | -36  | -34  | -32  | -32  | -31  | -30  | -28  | -27  | -26   |
| Typical PIM (3rd Order) [dBc @2x43dBm]                | -160 |      |      |      |      |      |      |      |       |
| Typical Attenuation [dB/100m] @ 20°C (w/o connector*) | 7.59 | 11.2 | 16   | 18.2 | 21.5 | 24.7 | 27.3 | 31.3 | 34.66 |

\*Typical insertion loss per connector <0.01 dB (0-3 GHz).

|                         |                                                          |
|-------------------------|----------------------------------------------------------|
| Mean Power Rating @40°C | 750 W @ 1000 MHz<br>440 W @ 2700 MHz<br>280 W @ 6000 MHz |
| Nom. Impedance          | 50 Ohm (+/-1)                                            |

| Length | Type        | Old Part Number | New Part Number | Remark |
|--------|-------------|-----------------|-----------------|--------|
| 0.5 m  | JMPS/0500K  | L00010D0552     | 100009799       |        |
| 1.0 m  | JMPS/1000K  | L00010D0553     | 100009800       |        |
| 2.0 m  | JMPS/2000K  | L00011D0185     | 100010036       |        |
| 3.0 m  | JMPS/3000K  | L00012D0064     | 100010195       |        |
| 4.0 m  | JMPS/4000K  | L00013D0058     | 100010360       |        |
| 5.0 m  | JMPS/5000K  | L00013D0059     | 100010361       |        |
| 6.0 m  | JMPS/6000K  | L00014A0113     | 100010441       |        |
| 7.0 m  | JMPS/7000K  | L00014A0116     | 100010444       |        |
| 8.0 m  | JMPS/8000K  | L00014A0104     | 100010433       |        |
| 9.0 m  | JMPS/9000K  | L00015A0091     | 100010535       |        |
| 10.0 m | JMPS/10000K | L00015A0086     | 100010531       |        |

Other lengths available on request.

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