



## 1/2" SOLDERED AND MOLDED JUMPER CABLE

<b>CONNECTOR TYPE</b>	7-16 male and female N male and female
<b>CABLE TYPE</b>	RFF 1/2"-50 (Superflexible)
<b>LENGTH</b>	Standard lengths: 0.5, 1, 1.5, 2 and 3 m. Other lengths available on request



### ELECTRICAL CHARACTERISTICS at +20°C

Characteristic impedance	50 ± 1 Ω
Return loss (VSWR) for	
- 30 - 1000 MHz	30 dB (1.06)
- 1000 - 2700 "	28 dB (1.08)
Attenuation at (cable)	
- 900 MHz	0.100 dB/m (0.03 dB/ft)
- 1000 "	0.106 " (0.03 dB/ft)
- 1800 "	0.147 " (0.04 dB/ft)
- 1900 "	0.151 " (0.05 dB/ft)
- 2000 "	0.155 " (0.05 dB/ft)
- 2200 "	0.164 " (0.05 dB/ft)
Connector attenuation (2 pcs)	≤ 0.05 dB
Maximum operating frequency	3000 MHz
Average power rating	
- 1000 MHz	750 W
- 2200 "	480 W
Peak RF voltage rating	1.39 kV
Intermodulation, typical (2x20W Tx)	
- 800 - 1000 MHz	-160 dBc
- 1600 - 2000 MHz	-160 dBc

### MECHANICAL CHARACTERISTICS

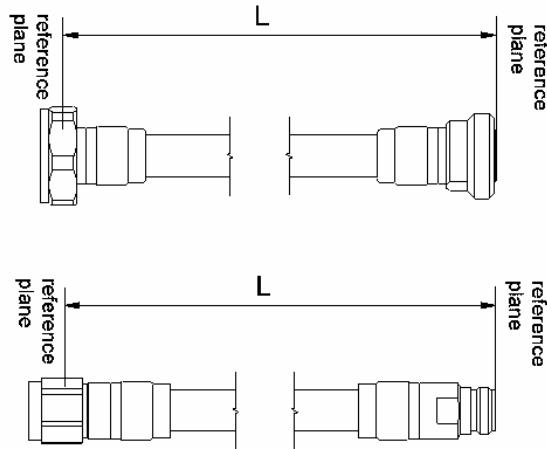
Maximum pulling force	
N	300 N
DIN 7-16	500 N
Minimum bending radius	
- Single bending	15 mm (0.6 in)
- Repeated bending	30 mm (1.2 in)
Operating temperature range	-55...+80°C (-67...+176 °F)
Crush resistance	3.4 kg/mm (190 lb/in)
Bending moment	2.7 Nm (2.0 lb-ft)
Water proof	IP 68

### JACKETING OPTIONS

JACKET	IEC 60754 -1/-2 halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3-24 fire retardant	UV retardancy	Min. installation temperature
Black, halogen free LD polyethylene	yes	no	no	yes	-40°C (-40°F)
Grey, halogen free fire retardant thermoplastic	yes	yes	yes	no	-20°C (-4°F)
Black, halogen free fire retardant thermoplastic	yes	yes	yes	yes	-20°C (-4°F)



## LENGTH



## MATERIALS IN CONNECTORS

### 7-16 male and N male

Outer conductor	Copper alloy / Silver plated
Inner conductor	Copper alloy / Silver plated
Other metallic parts	Copper alloy
Insulation	PTFE
Sealing	Silicon

### 7-16 female

Outer conductor	Copper alloy / Silver plated
Inner conductor	Copper alloy / Silver plated
Insulation	PTFE
Sealing	Silicon

### N female

Outer conductor	Copper alloy / Silver plated
Inner conductor	Copper alloy / Silver plated
Insulation	PTFE

## NKJ CODE KEY

