



NF50A12



716FV12



716MAL12

CONNECTORS & TOOL

Reference	Description
716MV12	7-16 DIN male, O-Ring
716FV12	7-16 DIN female, O-Ring
716MA12	7-16 DIN male, Sealant injection
716FA12	7-16 DIN female, Sealant injection
716MVL12	7-16 DIN male, right angle, O-Ring
716MAL12	7-16 DIN male, right angle, Sealant injection
NM50V12	N male, O-Ring
NF50V12	N female, O-Ring
NM50A12	N male, Sealant injection
NF50A12	N female, Sealant injection
NM50VL12	N male, right angle, O-Ring
NM50AL12	N male, right angle, Sealant injection
SPTC50AV12	Cable preparation tool
Cutting knife	Spare parts for cable preparation tool
Peeling knife	(Refer to installation instructions of the tool)
SIL-744 90ml	Sealant for connectors using sealant injection
SIL-744 310 ml	Sealant for connectors using sealant injection

Rem.: • Sealant for connectors using the sealant injection method must be purchased separately.



SPTC50AV12

ACCESSORIES

Description	Reference
• Grounding clamp with parallel outlet	GCS12PAR
• Fixing clamps	see page 35
• Additional weatherproofing	see page 41
• Lace-up hoisting grip	HG-12
Pre-laced hoisting grip	HG-12-L
	see page 37

Specification of N-connectors 7-16 connectors

Electrical

• Nominal impedance (Ω)	50	50
• Return loss at 3 GHz (dB)	$\geq 34^*$	$\geq 34^*$
• Insulation resistance (G Ω)	≥ 5	≥ 10
• Test voltage (at sea level) (kV rms, 50 Hz)	2.5	4
• Working voltage (at sea level) (kV rms, 50 Hz)	1	2.7
• Screening effectiveness up to 1 GHz (dB)	>128	>128
• Outer contact resistance (m Ω)	≤ 1	≤ 1
• Inner contact resistance (m Ω)	≤ 1	≤ 1
• PIM ratio (2 x 20 W carrier) (dBc)	≤ -155 (Typical -163)	

Mechanical

• Torque on coupling nut (Nm)	8	30
• Cable retention (N)	$>500^{**}$	$>1000^{***}$

Environmental

• Temperature range ($^{\circ}\text{C}$)	-40 to +85
• Degree of protection (humidity)	IP67/IP68 (mated connectors)

Materials

• External parts	Passivated silver plated or electroless nickel plated brass
• Outer contact	Passivated silver plated brass
• Inner contact	Passivated silver plated high-strength copper alloy and brass
• Dielectric	TPX/PTFE TPX
• Gaskets	High quality silicone

* ≥ 30 for right angle connector

** >400 for N-right angle connector

*** >700 for 7-16 right angle connector



GCS12PAR