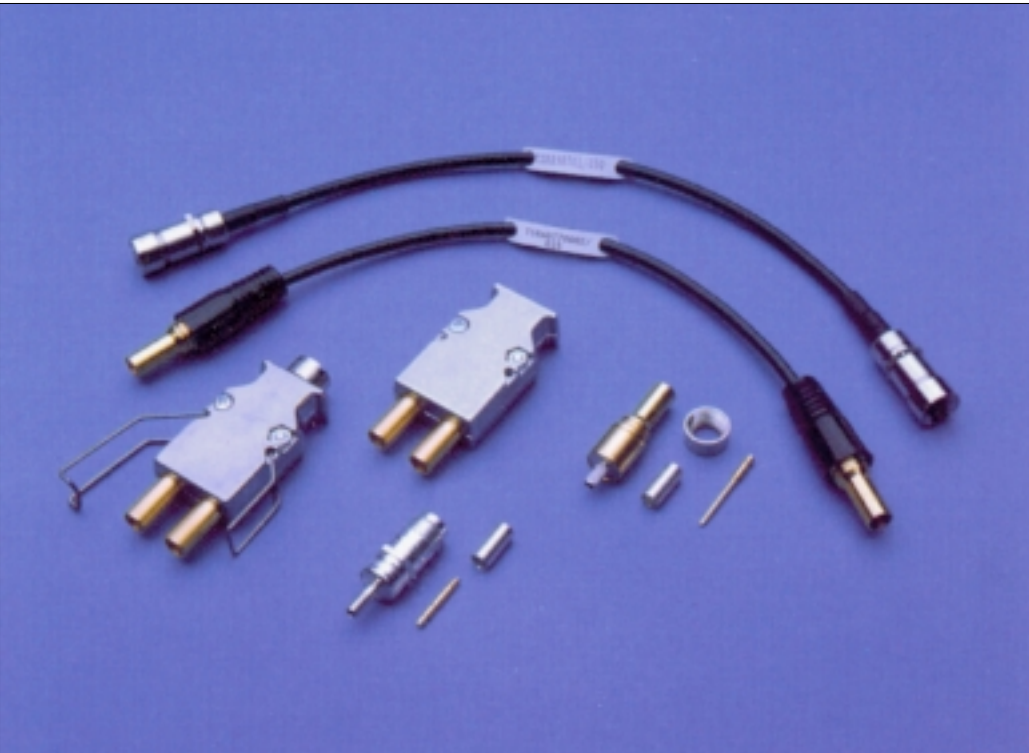


Coaxial termination products



Ericsson offers a broad range of termination products for the DDF (Digital Distribution Frame), such as coaxial connectors, U-link with or without measuring possibilities and preconnected coaxial patch cords.

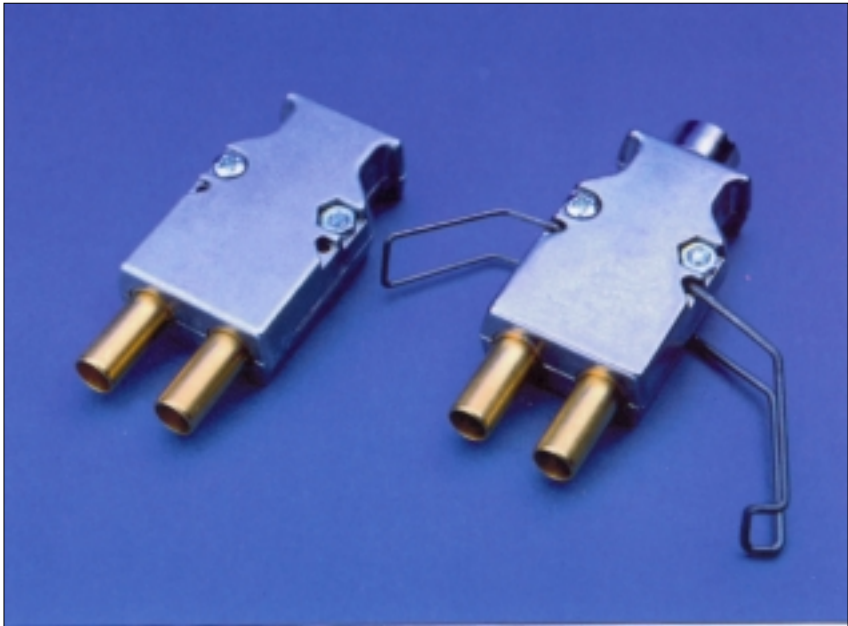
There are two different choices of tool kit for connector assemblies.

The products conform to the requirements for indoor and weather protected not temperature controlled environment.

M4 coaxial U-link

U-link with or without test jack for cross-connection of transmission units in DDF. Coaxial U-link with test jack is provided with locking clips for safe mounting on DDF panels. Nut for snap-in locking can be ordered optionally.

Dimensions (mm):	
total lengths	53.5
(with test jack)	60
width	25
pitch	12.75



Coaxial connectors

M4 coaxial connectors with nut for mounting in DDF panels. The connectors are designed for crimp termination of braid (outside Ø 3.5 mm) and center conductor (Ø 0.3 mm).

The jack can also be ordered with a nut for snap-in locking. The connectors and U-links conform to the requirements for indoor and weather protected not temperature controlled environment as per ETS 300 019.1.3 class 3.3.

Mechanical, climatic and chemical requirements according to ETX 1056-104.



Technical specifications

Material	
Metal casting:	AL-Si-Cu ₁₂ (U-link)
Contact body:	Brass, semi-hard
Insulation	PTFE
Center contact	Beryllium copper
Surface treatment	
Contact surfaces:	selective electroplated with hardgold, thickness 2.5µm
Other surfaces:	Ni

Performance data

Operating temperature:	T _{amb} = -40°C...120°C (5-100% RH)
Storage temperature:	T _{stg} = -40°C...120°C
Rated voltage:	500V _{eff}
Rated current:	5A
Voltage proof, contact/body:	1.5kV
Impedance (mounted on cable):	75 ohm
Insulation resistance:	10 ⁴ Mohm (25-75% RH) min10 ² Mohm (90-95% RH)
Contact resistance, initial value:	2 Mohm (center contact) 1 Mohm (outer contact) 1 Mohm (braid to body)
Insertion loss:	max 0.1 dB (≤ 500 MHz)
Mechanical endurance, insertions:	200 cycl
Mating force:	max 60N
Withdrawal force:	5-25N

Coaxial patch cords

Coaxial patch cords supplied in different lengths with M4 coaxial plugs or coaxial jacks at both ends.

Cable with jack connectors is supplied with nut for front panel mounting

Available in cable diameter 3.5 mm.
Marked with length information.



Tool kit

When terminating coaxial cable with connectors or when manufacturing coaxial patch cords, there are two different options of tool kit.

The hand tool kit is designed for hand tool methods of crimp termination of conductor and braid.

The machine tool kit is a pneumatic machine tool set. (The picture shows the handtool kit).



Order information

U-link	RPT 16701/9
U-link with test jack	RPT 16701
Jack	RNT 148 102
Jack with locking nut	RNT 148 107
Plug	RPT 148 102
Patch cord, plug/plug	RPM 919 231
Patch cord, jack/jack	RPM 919 233
Tool kit, hand	LTT 50201/1
Toolkit, machine	LTT 50202

Ericsson Network Technologies AB
Stockholm, SWEDEN
Phone +46 8 475 9000
www.ericsson.com/networktechnologies

EN/LZT 108 598 Rev B
© Ericsson Network Technologies AB

Subject to alteration without prior notice