

SPECIFICATIONS

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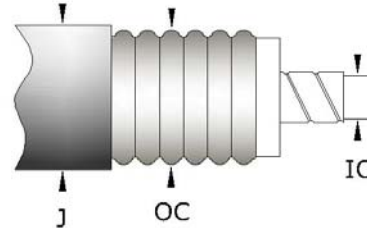
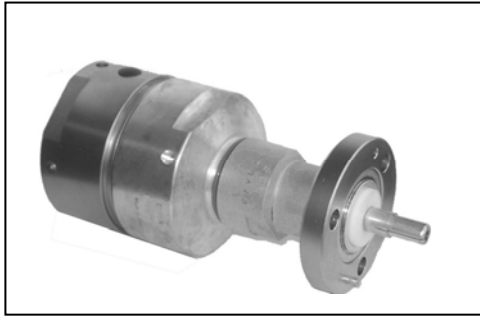
KABELWERK EUPEN AG
CABLERIE D'EUPEN S.A.
KABELFABRIEK EUPEN N.V.

EIA 7/8" connector for 1"5/8 corrugated cables

DESCRIPTION

Connectors with EIA 7/8" interface for 1"5/8 corrugated copper outer conductor coaxial cables (Andrew: LDF7-50A, 1"5/8; Eupen: 5438; Kabelmetal/RFS: LCF 1"5/8 Cu 2Y-50; Lyon: GD 17,5/50CC); contact surfaces silver-plated to obtain a low contact resistance and very low intermodulations (PIM<-150dBc). Connectors watertightness is obtained by elastomer injection (...A158E) or by O-ring gasket (...V158E).

DIMENSIONS



Acceptable cable dimensions	(mm)	15.8 < IC < 16.2
	(mm)	45.9 < OC < 47
	(mm)	49.7 < J < 50.9

MECHANICAL SPECIFICATIONS

Torque of coupling mechanism	(Nm)	-
Strength of coupling mechanism	(N)	≤ 1000
Cable retention	(N)	> 1000*
Center contact captivation		yes
Mechanical endurance		≥ 500 coupling
Overall outer diameter	(mm)	57
Length	(mm)	~100
Weight	(g)	875

ELECTRICAL SPECIFICATIONS

Nominal impedance	(Ω)	50
Reflection coefficient		≤ 0.025 at 2,5 GHz
Test voltage (at sea level)	(KV rms)	6 50Hz
Working voltage (at sea level)	(KV rms)	2.8 50Hz
Screening effectiveness	(dB)	> 128 up to 1 GHz
Outer contact resistance	(mΩ)	≤ 0.3
Inner contact resistance	(mΩ)	≤ 0.3

ENVIRONMENTAL SPECIFICATIONS

Degree of protection (humidity)		IP67
Temperature range storage	(°C)	-40 to +85
installation	(°C)	-10 to +45
operation	(°C)	-40 to +85

MATERIALS

External parts	silver passivated plated or electroless nickel plated brass
Outer contact	silver passivated plated brass
Inner contact	silver passivated plated Cu-Be and brass
Insulators	PTFE
Retention parts	nickel plated brass
Gaskets	silicone

ORDERING INFORMATION

Elastomer injection watertightness type	O-ring watertightness type
Code: CEIA78A158SE	Code: CEIA78V158SE
Packaging	1 pcs/bag

*: as a result of cable features.

Technical specifications are valid only if connectors are properly installed using **KABELWERK EUPEN**AG installation instructions.

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