

# SPECIFICATIONS

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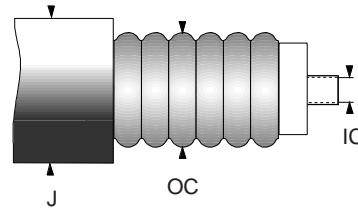
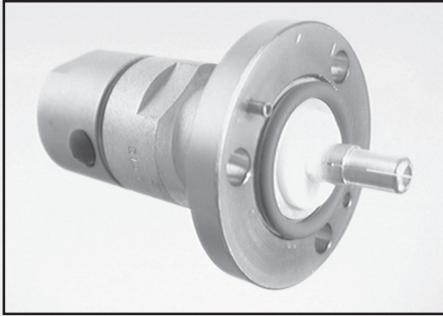
KABELWERK EUPEN AG  
CABLERIE D'EUPEN S.A.  
KABELFABRIEK EUPEN N.V.

## EIA 7/8" connectors for 7/8" corrugated copper cables

### DESCRIPTION

Connectors with EIA 7/8" interface for 7/8" corrugated copper outer conductor coaxial cables (Andrew: LDF5-50A, 7/8"; Eupen: 5228; Kabelmetal / RFS: LCF 7/8" Cu 2Y-50; Lyon: GD 9,3/50) ; contact surfaces silver-plated to obtain a low contact resistance and very low intermodulations (PIM<-150dBc). Connectors watertightness is obtained by elastomer injection (...A78E) or by O-ring gasket (...V78E).

### DIMENSIONS



Acceptable cable dimensions	(mm)	7,3 < IC < 8,1
	(mm)	24,6 < OC < 25,2
	(mm)	27,5 < J < 28,5

### 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)	~81
Weight	(g)	418

### ELECTRICAL SPECIFICATIONS

Nominal impedance	(Ω)	50
Reflection coefficient		≤ 0,025 at 3 GHz
Test voltage (at sea level)	(KV rms)	6 50Hz
Working voltage (at sea level)		2,8 50Hz
Screening effectiveness	(dB)	> 128 up to 1 GHz
Outer contact resistance	(mΩ)	≤ 0,3
Inner contact resistance	(mΩ)	≤ 0,5

### 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 : CEIA78A78E	Code : CEIA7/8V78E
Packaging	1 pcs/bag

\*: as a result of cable features.

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

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