



# RAISON ENTERPRISE CO., LTD.

(11491) No.12, Lane321, Yangguang St, Neihu Dist, Taipei, Taiwan

## SPECIFICATION FOR Coaxial Cable CFD100-INL

### 1. CABLE CONSTRUCTION

Inner Conductor :

solid copper wire.

Dielectric:

XLPE

Outer Conductor :

Aluminum / PE tape with tinned copper wire.

Jacket :

Lead-free PVC (polyvinyl chloride) compound.

Cable Marking :

Cable will be Marking by suitable methods and thereat will be included manufacturer name (or abbreviation), product type or by customer requirements.

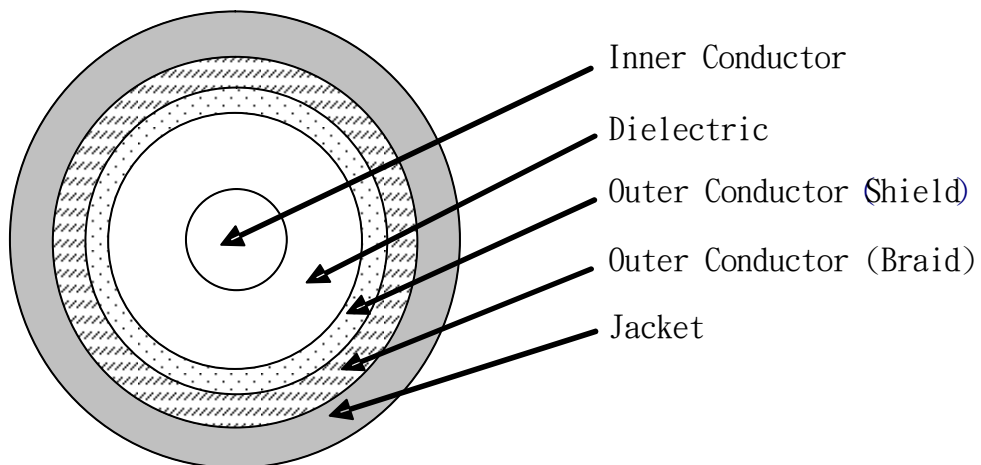
For example :

" CFD100-INL LOW LOSS 50 OHM COAXIAL CABLE COMMATE/ PEWC 1.5Dr"

Properties Statement For RoHS & REACH :

This product can comply with requirement of RoHS 2 and REACH SVHC 168 substances.

Fig.1 Cross-section of cable





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Construction table

construction type	Inner Conductor		Dielectric		Outer Conductor				Jacket		
	Diameter mm	Material	Diameter mm	Material	Shield Material	Diameter mm	Braid Material	Coverage (Approx.) %	Diameter mm	Color	Material
CFD100-INL	0.46 ±0.03	Solid Copper Wire	1.5 ±0.1	XLPE	Aluminum/ PE Tape	1.6 ±0.1	Tinned copper wire	95	2.8 ±0.1	Black	lead- free PVC

Type	Spec.	Characteristic impedance @ 200MHz Ω	Insulation Resistance M Ω-km	Capacitance nom. pF/M
CFD100-INL		50 ±3	>1000	101

## 2. ELECTRICAL PROPERTIES : (at 20°C)

Type	Spec.	Nom. Attenuation dB/100M						
		30 MHz	150 MHz	450 MHz	900 MHz	1500 MHz	1800 MHz	2500 MHz
CFD100-INL		12.9	29.4	51.9	74.9	98.7	109.0	130.6

Note : Maximum value shall be not exceeded 120% of the nominal value.

## 4. PACKING

- 4.1 Both ends of the cable will be effectively sealed to prevent the entrance of moisture.
- 4.2 Coil, plywood reel, wooden drum or crate will be used by options, and suitable protection will be over it.

\*\*\*\*\* END OF SPECIFICATION \*\*\*\*\*