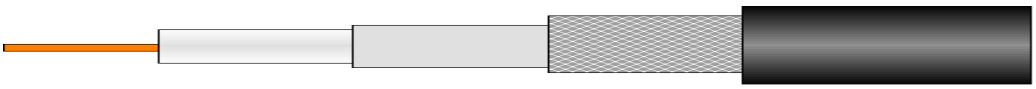
RF COAX 50 OHM TCE2HH2 1(2.74/7.30)/E PLU030418



CABLE CONSTRUCTION

INNER CONDUCTOR	COPPER CLAD ALUMINIUM WIRE ⌀ = 2.74 ±0.01 mm Min. Break Strenght = 640 N
DIELECTRIC	FOAM POLYETHYLENE ⌀ = 7.24 ± 0.15 mm
1st SHIELD	AL/P-FOIL (Bonded)
2nd SHIELD	AL WIRE BRAID Coverage 85 ± 3 %
JACKET	BLACK POLYETHYLENE ⌀ = 10.29 ± 0.10 mm
PRINTING	RF COAX 50 OHM TYPE C400 AL (week/year) + metric marking

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE (1 MHz)		50 ± 2 Ohm
VELOCITY		85 %
CAPACITANCE		78 pF/m
INNER CONDUCTOR RESISTANCE		≤ 4.5 Ohm/Km
OUTER CONDUCTOR RESISTANCE		≤ 20 Ohm/Km
JACKET SPARK		8.000 VCA
DIELECTRIC STRENGTH		2.000 VCA
INSULATION RESISTANCE		≥ 100.000 MOhm/Km
INDUCTANCE		0.2 µH/m
SWR (30-5800MHz)		<1.20
SRL (RETURN LOSS)	30-500 MHZ	> 24 dB
	500-5800 MHz	> 20 dB
SHIELDING EFFECTIVENESS (30-1000MHz)		> 90 dB

FREQUENCY AT 20°	Avg. POWER	MAX. ATTENUATION
30 MHz	3.33 kW	2.20 dB/100m
50 MHz	2.57 kW	2.95 dB/100m
150 MHz	1.47 kW	4.92 dB/100m
450 MHz	0.83 kW	8.86 dB/100m
900 MHz	0.58 kW	12.80 dB/100m
1500 MHz	0.44 kW	16.73 dB/100m
1800 MHz	0.40 kW	18.60 dB/100m
2000 MHz	0.37 kW	20.66 dB/100m
2500 MHz	0.33 kW	22.20 dB/100m
5800 Mhz	0.21 kW	35.50 dB/100m

MECHANICAL AND ENVIRONMENTAL PERFORMANCE

MINIMUM BEND RADIUS	
Installation	35 mm
Repeated	50 mm
CRUSH RESISTANCE OF CABLE (load of 700N)	< 1 %
RATED TEMPERATURE	
Operating temperature	-40 /+85 °C
Installation	-20 /+85°C
CABLE WEIGHT	75 Kg/Km

ROHS COMPLIANT