Connectors Cables Specialists (CCS) Ltd
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LLA 400UF01 (Ultraflex)

Mechanical Characteristics

Construction:	
Inner Conductor:	2.74mm Stranded Bare Copper (0.95mm X7)
Dielectric:	Foam Polyethylene Insulation
Screen:	Bonded Aluminium Polyester Foil Tape (overlap ≥120%)
Screen:	Tinned Copper Wire Braid (Coverage 90±3%)
Sheath:	Black TPE
Insulation Diameter:	7.24±0.15mm
Sheath Diameter:	10.20±0.15mm
Storage/Operating Temperature:	-15°C to +110°C
Max.Pulling Tension:	725N
Min. Bending Radius:	35mm (Installation) 100mm (Repeated)

*Cable image and colours are for illustration purposes only and may vary.

Application

Suitable for many applications, including jumper assemblies in wireless communication and short antenna feeder runs.

Description

2.74mm stranded bare copper conductor (0.95mm*7). Also includes foam polyethylene insulation, bonded Al/P-foil shielding with tinned copper wire braid. Black TPE overall sheath.

Electrical Characteristics

Characteristic Impedance:	50±2Ohm
Capacitance:	78pF/m
Velocity Ratio:	0.85
DC Resistance Inner Conductor:	<3.51Ω/km @ 20°C
DC Resistance Outer Conductor:	<5.40Ω/km @ 20°C
Jacket Sparker:	8000VCA
Dielectric Strength:	2500VDC
Insulation Resistance:	>10000MΩ/km
Peak Power:	16kW
Shielding Effectiveness:	>90dB
SWR:	<1.25 (30-5800MHz)
Attenuation (d/B 100m @ 20°C):	
30MHz	<2.70
50MHz	<3.50
150MHz	<6.10
220MHz	<7.40
450MHz	<10.70
900MHz	<15.40
1500MHz	<20.20
1800MHz	<22.30
2000MHz	<23.60
2500MHz	<26.60
5800MHz	<42.60

CONNECTORS CABLES SPECIALISTS LTD.

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