



Application

AFL Duct cables are designed with cable strength suitable for pulling into ducts and sub ducts.

Features and Benefits

- Fibre count 96
- 12 fibre management
- Dry water blocking
- Metal-free therefore not subject to EMI or earth-bonding requirements
- LSZH outer sheath
- Robust construction

Construction		OD (mm)
1	Central Strength Member	4.0
2	8 Gel Filled Loose Tubes, 12 fibres per tubes	2.2
3	Cabling of tubes and Central Strength Member	8.40 (± 0.2)
4	Mylar Tape	8.47 nom
5	LSZH Outer Jacket and Ripcords	12.45 (± 0.2)

Cable Properties			
Weight	156	kg/km	
Diameter	12.45	mm	
Cross Section	121.7	mm ²	
Attenuation at 1310nm	0.36	dB/km	
Attenuation at 1550nm	0.22	dB/km	
Bend radius	Static	250	mm
	Dynamic	1250	
Maximum Optical Working Tension (MOWT)	2.6	kN	
Cable Breaking Strength	7.3	kN	
Modulus	3.3	GPa	
Operating temperature range	-40 to 85	°C	

Jacket Marking
FUJIKURA Year of Manufacture Metre Mark

Applicable Standards	
Fibre Standard:	ITU-T G.652.D
Tube / Fibre Colours:	Fibre and Tube Colours are to EIA – 598
Testing standards	IEC-60794-1-E1, EIA-455-33B
Quality	Cable is designed, manufactured and tested in accordance with ISO 9001