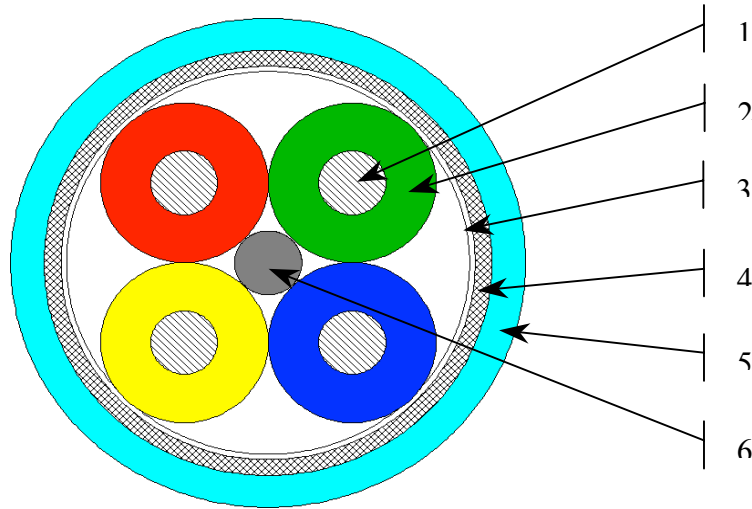


1-CONSTRUCTION



Item	Designation	Component details	Characteristics
1	Conductor	Silver Coated Copper AWG 26 (19 strands)	Nominal \varnothing 0.48 mm (0.0189 inch)
2	Insulation	Extruded Fluoropolymer	\varnothing 1.05 \pm 0.05 mm (0.041 \pm 0.002 inch)
3	Protection tape		
4	Braid	CuAg \varnothing 0.10, AWG#38	
5	Jacket	Extruded Fluoropolymer	\varnothing 3.80 \pm 0.25 mm (0.149 \pm 0.01 inch)
6	Filler	Fluoropolymer	

COLOUR CODE AND MARKING

- Insulation: - Pair n°1: Core 1-R: Red (Tx +) - Pair n°2: Core 2-Y: Yellow (Rx +)
Core 1-B: Blue (Tx -) Core 2-G: Green (Rx -)

- Jacket: Colour: light blue UV laser markable
Marking: "Fileca Etude 4704-6"

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Draka Fileca SAS D 1001 60730 Sainte-Geneviève France Tel : +33 (0)3 44 08 21 21 Fax : +33 (0)3 44 08 98 86	F	25/10/11	PIG	New lay out
	E	05/10/10	PIG	New lay out
	D	09/01/07	HDF	Modification following OF
	C	05/01/05	HDF	No mechanical characteristics
	B	05/11/04	HDF	\varnothing Insulation was 1.20 mm
	A	22/09/04	HDF	First Issue
Approval : SGA	Date	Author	Modifications	

2 – PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS:

- Operating temperatures: - 65°C to + 125°C
- Storage temperatures: -65°C to +150°C (200°C available with a different Jacket material)
- Mass: 37.5 kg/km max (2.72 Lb/100 ft max)
- Flame propagation: Following FAR 25.869 and EN3475-407
- Smoke density & toxicity: Following ABD 031C (test time 4 mn)
- Fluid resistance: Following EN 3475 § 411
- Laser markability: ≥ 50 % (following EN 3838, EN 3475-705 and EN 3475-706)

3– ELECTRICAL CHARACTERISTICS AT 20°C:

- Maximal Voltage: 600 V AC
- Dielectric withstand: Between conductor and between conductor/shield :
 - DC = 1 kV 1mn
 - AC = 0,7 kV 1mn
- Maximal loop resistance: 260 Ω/km (80 Ω/1000 ft)
- Insulation Resistance: ≥ 1500 MΩ.km (about 5000 MΩ. 1000 ft)

Transmission parameters:

- Characteristic Impedance: $Z_c : 100 \pm 15 \Omega$ [1-100 MHz] at 20°C
- Velocity of propagation: ≥ 65% nominal

Frequency In MHz	Attenuation at 20°C Maximal value in dB / 100m (dB/100 ft)	Near End crosstalk (NEXT) Minimal value in dB
1	3 (0.92)	65
4	6 (1.83)	56
10	9 (2.75)	50
16	12 (3.66)	47
20	14 (4.27)	45
31.25	18 (5.49)	43
62.5	25 (7.62)	38
100	30 (9.15)	35

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