CONSTRUCTION

1. Conductor
2. Insulation
3. Filler
4. Bedding
5. Foil + braid
6. Sheath

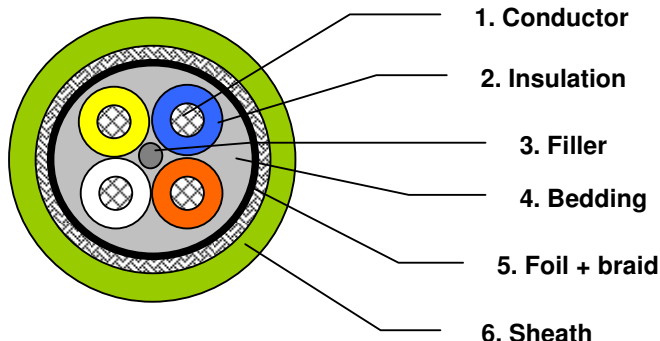1. **Conductor**   7x0.25 mm (22AWG) stranded tinned copper

2. **Insulation**
    Material   Polyolefin
    Diameter over insulation   1.57 ± 0.05 mm
    Colour of insulation   White, Blue and Yellow, Orange

3. **Filler**

4. **Bedding**
    Material   FRNC
    Nom. Diameter   4.1 mm

5. **Foil + Braid**
    Material   Aluminium / Polyester
    Thickness   50 / 23 µm
    Coverage of braided screen   > 85%

6. **Sheath**
    Material   FRNC
    Colour   Green RAL 6018
    Diameter over jacket   6.50 +/- 0.2 mm

REQUIREMENTS AND TEST METHODS

Electrical:
ISO/IEC 11801 ed. 2.0, Cat.5.

Max. operating voltage	300	V rms
Test voltage wire-wire/wire-screen	2.5	kVdc
Maximum conductor DC-resistance @ 20˚C	57.1	Ω/km
Transfer impedance @ 10MHz	< 10	mOhm/m
Nom. velocity of propagation 68 %		
Delay	< 5.3	ns/m
Impedance @ 1 – 100 MHz	100 +/- 15	Ω

Frequency (MHz)	Nom. Attenuation (dB/100m)	Min. Next (dB)	Min. ELFEXT (dB/100m)	Min. SRL (dB)
1	2.1	65	64	-
4	4	56	52	23
10	6.3	50	44	25
16	8	47	40	25
31.25	11.4	43	34	23.6
62.5	16.5	38	28	21.5
100	21.3	35	24	20.1

Mechanical and physical:

Flame resistance	IEC 60332-1
Oil resistance	IEC 60811-2-1
Halogen free	IEC 60754-2
Temperature range installing	- 5 to + 50 ˚C
Temperature range operating	- 25 to + 80 ˚C
Temperature range storage	- 40 to + 80 ˚C