

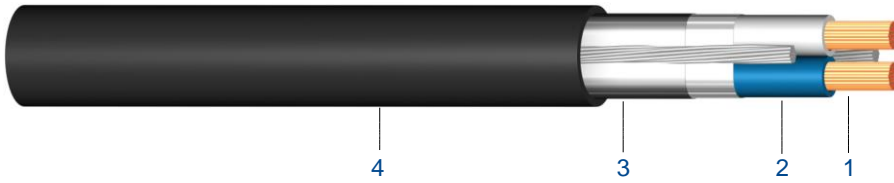
Dual Conductor

Power cable

Halogen-free, flame retardant

NKT

UK Stockist GCA Ltd



Construction:

1. Conductor: Stranded, annealed copper wires class 5 IEC 60228.
2. Insulation: Flame retardant polyolefin. Color identification: Blue and White.
3. Shield: AL/PET tape with annealed aluminum wires. Max resistance 4.95 Ω /km.
4. Sheath: Flame retardant, black polyolefin. Sunlight resistant. Example of marking: "NKT TFL492324/0 BW 2x6 mm² Max600V 90C DRY CT Use Sun Res"

Application:

Halogen free, flame retardant and shielded cable for power supply to radio and other telecom equipment. Sunlight resistant per UL 1581 sec 1200, not for direct burial. CPR class Dca. Indoor and outdoor use.

Properties:

Rated voltage	Max 600 V	Fire classification	IEC 60332-3-24 (Cat C) CPR Class D _{ca}
Minimum operating temperature	-20°C (-40°C when fixed)	Fulfils low voltage directive, CE	Yes
Maximum operating temperature	+90°C	Fulfils RoHS	Yes
Minimum bending radius	5 x Outer diameter	Fulfils REACH	Yes

Technical data:

No. of cores and cross-section mm ²	Nom. outer diameter mm	Cable weight kg/km	Effective resistance of conductor Ω/km	Conductor colors	Part number
2 x 6	10	171	3.30	Blue & White	TFL492324/0 BW
2 x 10	12	255	1.91	Blue & White	TFL492325/0 BW
2 x 16	14	386	1.21	Blue & White	TFL492326/0 BW
2 x 25	16	546	0.78	Blue & White	TFL492327/0 BW
2 x 35	18	751	0.55	Blue & White	TFL492328/0 BW

Extended data:

No. of cores and cross-section mm ²	Inductance μH/m	Current carrying capacity A	Effective resistance of conductor Ω/km	Loop resistance Ω/km	Loop impedance (voltage drop at 50Hz) (V/A)/km
2 x 6	0.6	43	3.30	6.60	6.60
2 x 10	0.6	60	1.91	3.82	3.82
2 x 16	0.6	79	1.21	2.42	2.43
2 x 25	0.6	105	0.78	1.56	1.57
2 x 35	0.6	130	0.55	1.10	1.12

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Influence on the environment. The product does not have any negative influence on the environment.