

Multi 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 in white and blue. Printed digits for conductor identification: 1-One, 2-Two, 3-Three etc.
3. Shield: AL/PET tape with tin-plated, annealed copper wires.
4. Sheath: Flame retardant black polyolefin. Sunlight resistant. Example of marking: "NKT RQRQ BW 6x10mm² Max 600V 90C Sun Res"

Application:

Halogen free, flame retardant and shielded cable with multiple conductors to power supply several radio units and other telecom equipment. Sunlight resistant per UL 1581 sec 1200, not for direct burial. CPR and UL listed. Indoor and outdoor use.

Properties:

Rated voltage	Max 600 V	Fire classification	IEC 60332-3-24 (Cat C) UL 1685, Vertical Tray 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	6 x Outer diameter (4 x OD when fixed)	Fulfils REACH	Yes

Technical data:

No. of cores and cross-section mm ²	Outer diameter mm	Cable weight kg/km	Effective resistance of conductor Ω/km	Conductor colors	Part number
6 x 6	15.8	500	3.30	Blue & White	RQRQ 6x6 BW
6 x 10	19.5	820	1.91	Blue & White	RQRQ 6x10 BW
6 x 16	22.8	1200	1.21	Blue & White	RQRQ 6x16 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)
6 x 6	0.6	32	3.30	6.60	6.60
6 x 10	0.6	45	1.91	3.82	3.82
6 x 16	0.6	59	1.21	2.42	2.43

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