

AluTOV



Data sheet of special cable with flexible aluminum conductor

Type: QO-BMqK af as AL)

6mm ² , flexible aluminum conductor according ISO 6722-2		
Properties	Nominal Value	Unit
Wire in conductor	45	pcs
Wire diameter	0,4	mm
Resistance at 20°C, max.	5,23	Ω/km
Aluminum weight	16,3	kg/km

Insulation of 6mm ² acc. to EN 50363,1		
Properties	Nominal Value	Unit
Material	EPR	-
Temperature range	-50 to +90	°C
Wall thickness	1,0	mm
Outer diameter	5,4	mm
Color	Blue, Brown, Black, Black/White	-

Laying up of cores			
Properties	Nominal Value	Tolerance	Unit
Lay length	150	-50	mm

Inner sheath		
Properties	Nominal Value	Unit
Material	PUR	-
Wall thickness	0,8	mm
Outer diameter	14,8	mm
Color	Natural	

Braiding		
Properties	Nominal Value	Unit
Braiding of tinned copper wire, min 80% covering		
Wire diameter	0,2	mm
Gap between the elements	<2	mm
Cross section screen	4	mm ²

Outer sheath acc. to EN 50363,10-2		
Properties	Nominal Value	Unit
Material	PUR	-
Temperature range, fixed	-50 to +80	°C
Wall thickness	1,5	mm
Outer diameter	18,6 ± 1,0	mm
Color	Orange	
Marking	QO-BMqK af as 450/750V AL 4X6 mm ²	

Specific properties		
Properties	Nominal Value	Unit
Construction standard	KEMA 157-4 IAP	
Voltage range	450/750	V
Test voltage, 5 min	2500	V
Halogen free	Pass IEC 60754-1	-
Oil resistance	Good	-
Chemical resistance	Good	-
Total weight	328	Kg/km

