

ANIXTER

Technical Data Sheet

Anixter Part No:

A4-J03-0075-02-ARC

Description

Flexible plain annealed copper conductors, low temperature PVC insulation, cores laid up, low temperature PVC sheath (black) "Arctic Grade" Type 3183A BS6004 : 2012 Table 6

Dimensions

Number of cores	3	no.
Nominal conductor size	0.75	mm ²
Nominal conductor stranding	24/0.2	#/mm
Insulation thickness	0.6	mm
Outer sheath thickness	0.8	mm
Minimum outer diameter	6.0	mm
Maximum outer diameter	7.6	mm

Electrical Characteristics

Nominal voltage rating (U ₀ /U)	300/500	Vrms
Maximum DC conductor resistance @ 20°C	26.0	ohm/km
Maximum AC conductor resistance @ 70°C	31.1	ohm/km
Reactance @ 50 Hz	0.112	ohm/km
Impedance @ 90°C, 50Hz	31.1	ohm/km
Voltage drop	6	mV/A/m
Conductor short-circuit rating (1s)	0.086	kA
Sustained Current Ratings:		
In air (single phase a.c., 30°C ambient temperature)	6	A

Physical Characteristics

Minimum operating temperature	-40	°C
Maximum conductor operating temperature	70	°C
Maximum conductor short-circuit temperature	160	°C
Conductor material	Flexible Class 5 plain annealed copper conductors to BS EN 60228	
Insulation material	Low temperature PVC insulation Type TI 4 to BS EN 50363-3	
Outer sheath material	Low temperature PVC sheath Type 10 to BS7655 Section 4.2	
Maximum pulling tension by conductor eye	14	kgf
Minimum Bending Radius:		
Fixed installation	25	mm
Free movement (subject to flexing)	40	mm
Flame resistance	Flame retardant to BS EN 60332-1-2	
Weight	74	kg/km

Core Identification: green/yellow, blue, brown

Issue No: 1

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