



Technical Data Sheet

Anixter Part No:

A10FK-01025-D-02

Description

stranded Class 2 tinned annealed copper conductors, EPR insulation, 2 cores twisted to form a pair, collectively screened with tinned copper drain wire under and in contact with aluminium/mylar tape, zero halogen inner sheath, galvanised steel wire braid, low smoke zero halogen (SW4) outer sheath (black) Generally in accordance with BS6883

Dimensions

Number of pairs	1	no.
Nominal conductor size	2.5	mm ²
Nominal conductor stranding	7/0.67	#/mm
Insulation thickness	0.8	mm
Inner sheath thickness	1.1	mm
Inner sheath diameter (min)	9.5	mm
Inner sheath diameter (max)	10.7	mm
Braid wire size	0.3	mm
Percentage coverage of braid (min)	84	%
Outer sheath thickness	1.2	mm
Minimum outer sheath diameter (min)	13.5	mm
Minimum outer sheath diameter (max)	15.1	mm

Electrical Characteristics

Nominal voltage rating (Uo/U)	150/250	Vrms
Maximum DC conductor resistance @ 20°C	7.56	ohm/km
Maximum mutual capacitance	148	pF/m
Maximum L/R ratio	58	µH/ohm
Maximum continuous current per conductor (all cores loaded)	25	A
Conductor short-circuit rating (1s)	0.357	kA

Physical Characteristics

Maximum conductor operating temperature	90	°C
Maximum conductor short-circuit temperature	250	°C
Conductor material	Stranded Class 2 tinned annealed copper conductors to BS6360	
Insulation material	EPR Type GP4 to BS7655 Section 1.4	
Inner sheath material	Low Smoke Zero Halogen Type SW4 to BS7655 Section 2.6	
Armour material	Mild galvanised steel wires to BS EN 10257-1	
Outer sheath material	Low Smoke Zero Halogen Type SW4 to BS7655 Section 2.6	
Maximum pulling tension by conductor eye	30	kgf
Minimum bending radius	120	mm
Flame resistance	Flame retardant to IEC60332-22 (Cat.A)	
Weight	339	kg/km

Pair Identification

black, white

Issue No: 1

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Date: 23/08/2011