

ANIXTER

Technical Data Sheet

Anixter Part No:	A7-M31-0003LF
-------------------------	----------------------

Description

Flexible Class 5 plain annealed copper conductors, PE insulation, two cores twisted to form a pair, pairs laid up, collectively screened with tinned copper drain wire under and in contact with aluminium/mylar tape, PVC sheath (blue). Gen. to BS5308 Part 1 Type 1

Dimensions

Number of pairs	3	no.
Nominal conductor size	0.75	mm ²
Nominal conductor stranding	24/0.2	#/mm
Insulation thickness	0.6	mm
Nominal core diameter	2.33	mm
Outer sheath thickness	1.0	mm
Nominal outer diameter	11.3	mm

Electrical Characteristics

Nominal voltage rating (Uo/U)	300/500	Vrms
Maximum DC conductor resistance @ 20°C	26.5	ohm/km
Maximum mutual capacitance	75	pF/m
Maximum L/R ratio	25	μH/ohm
Minimum insulation resistance @ 20°C	5000	Mohm/km
Maximum continuous current per conductor (one pair loaded)	6	A
Conductor short-circuit rating (1s)	0.088	kA

Physical Characteristics

Maximum conductor operating temperature	65	°C
Maximum conductor short-circuit temperature	160	°C
Conductor material	Flexible Class 5 plain annealed copper conductors to BS EN 60228	
Insulation material	Polyethylene Type 03 to BS6234	
Outer sheath material	PVC Type TM1 to BS7655 Section 4.1	
Maximum pulling tension by conductor eye	14	kgf
Minimum bending radius	100	mm
Flame resistance	Flame retardant to BS EN 60332-3-24 Cat.C	
Weight	210	kg/km

Pair Identification

Pairs will be colour coded as follows :

Pair Number	A-wire	B-wire
1	Black	Blue
2	Black	Green
3	Blue	Green

Issue No: 1	Drawn By: M S Fordham	Date: 01/03/2010
--------------------	------------------------------	-------------------------