

ANIXTER

Technical Data Sheet

Anixter Part No:	A4-BD01-5032-BR-02
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Description

Flexible Class 5 tinned annealed copper conductors, ordinary duty EPR insulation, cores laid up, ordinary duty O.F.R. (Oil resisting Flame Retardant) PCP sheath (black). BR879 BR Cat. Number 6/152040

Dimensions

Number of cores	5	no.
Nominal conductor size	1.0	mm ²
Nominal conductor stranding	32/0.2	#/mm
Insulation thickness	0.6	mm
Outer sheath thickness	1.5	mm
Minimum outer diameter	10.2	mm
Nominal outer diameter	11.6	mm

Electrical Characteristics

Nominal voltage rating (Uo/U)	300/500	Vrms
Maximum DC conductor resistance @ 20°C	20.0	ohm/km
Maximum AC conductor resistance @ 60°C	23.1	ohm/km
Reactance @ 50 Hz	0.106	ohm/km
Impedance @ 60°C, 50Hz	23.1	ohm/km
Voltage drop	40	mV/A/m
Conductor short-circuit rating (1s)	0.141	kA
Sustained Current Ratings:		
In air (30°C ambient temperature)	10	A

Physical Characteristics

Minimum operating temperature	-25	°C
Maximum conductor operating temperature	60	°C
Maximum conductor short-circuit temperature	200	°C
Conductor material	Flexible Class 5 tinned annealed copper conductors to BS EN 60228	
Insulation material	Ordinary duty EPR insulation Type EI 4 to BS7655	
	Section 1.1	
Outer sheath material	Ordinary duty PCP outer sheath Type EM 2 to BS EN	
	50363-2-1	
Maximum pulling tension by conductor eye	30	kgf
Minimum bending radius (fixed installation)	70	mm
Minimum bending radius (free movement)	80	mm
Flame resistance	Flame retardant to BS EN 60332-1-2	
Weight	131	kg/km

Core Identification

red, blue, green, white, yellow

Issue No: 1	Drawn By: M S Fordham	Date: 06/11/2009
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