

## TECHNICAL DATA SHEET

### AEI FIRETEC SINGLE

#### Fire Performance

Bs6387 C-W-Z

IEC 60331-21

BS EN50200 PH120

BS8434-2

#### Additional Fire Performance

BS EN50267 – IEC60754 – Acid Gas Emission

BS EN50268 – IEC61034 - Smoke Emission

BS EN50265, 50266 Flame Propagation



#### **Construction**

- Class 2 Plain Annealed Copper Conductor to BS EN60228
- Mica Glass Taping
- LSZH Insulation

**Voltage Rating**            600/1000 Volt

**Bend Radius**             6 x Overall Diameter

**Operating Temp**        -10°C to +90°C

**Core Colours**            Brown, Black, Grey, Red, Orange, Yellow, Green/Yellow  
Other colours available on request



A Ducab Company



## AEI FIRETEC SINGLE CORE

### TECHNICAL DATA

No of Cores & Nominal Cross Sectional Area of Conductor mm <sup>2</sup>	Current Rating (In Conduit)		Voltage Drop (In Conduit)			Nominal Overall Diameter mm	Maximum DC Conductor Resistance @ 20°C Ω/Km	Approximate Cable Weight Kg/Km
	Single Phase ac or dc	Three Phase ac	dc	Single Phase ac	Three Phase ac			
	Amps	Amps	mV/A/M	mV/A/M	mv/A/M			
1 x 1.0	17	15	46	46	40	3.20	18.10	20
1 x 1.50	22	19	31	31	27	3.50	12.10	26
1 x 2.50	30	26	19	19	16	4.10	7.41	38
1 x 4.00	40	35	12	12	10	4.60	4.61	54
1 x 6.00	51	45	7.9	7.9	6.8	5.10	3.08	75
1 x 10	71	63	4.7	4.7	4	6.70	1.83	124
1 x 16	95	85	2.9	2.9	2.5	7.60	1.15	183
1 x 25	126	111	1.85	1.9	1.65	9.4	0.727	285
1 x 35	156	138	1.35	1.35	1.15	11	0.524	382
1 x 50	189	168	0.99	1.05	0.9	12.4	0.387	513
1 x 70	240	214	0.68	0.75	0.65	14.2	0.268	717
1 x 95	290	259	0.49	0.58	0.5	16.5	0.193	992
1 x 120	336	299	0.39	0.48	0.42	18.1	0.153	1228
1 x 150	375	328	0.32	0.43	0.37	20.3	0.124	1520
1 x 185	426	370	0.25	0.37	0.32	21.1	0.0991	1880
1 x 240	500	433	0.19	0.33	0.29	26.2	0.0754	2492
1 x 300	573	493	0.155	0.31	0.27	28.6	0.0601	3089
1 x 400	683	584	0.12	0.29	0.25	32	0.047	4000
1 x 500	783	666	0.093	0.28	0.24	37.6	0.0366	5170
1 x 630	900	764	0.072	0.27	0.23	41.9	0.0283	6523