

INDUSTRIAL CABLE-INDUSTRIAL TELECOMMUNICATIONS CABLE

Steel Wire Armoured (SWA) Telecommunications Cable

Cable Description:

Conductor:

Tinned annealed copper conductor

Insulation:

Polyvinyl chloride (PVC) insulation

Cable Core Assembly:

Twisted pairs are stranded into concentric layers starting with pair 1 in the centre of the cable; 2 pair cables may also be twisted into quad configuration with wires in sequence of Red, Black, Green and Yellow

Cable Core Wrapping:

Cable core binder tapes are applied when required

Bedding sheath:

Polyvinyl chloride (PVC) bedding layer, The standard bedding sheath colour is black.

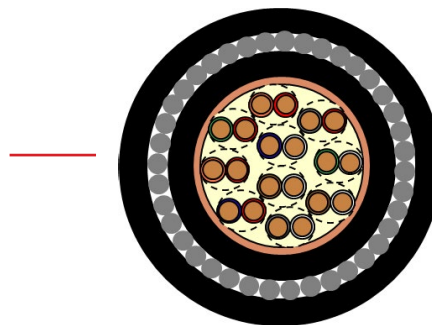
Final sheath and / or armouring:

Single or double layer of galvanised steel wire armour (SWA or DSWA) over bedding layer. Polyvinyl chloride (PVC) final sheath. The standard bedding sheath colour is black.

General Data:

Typical Applications:

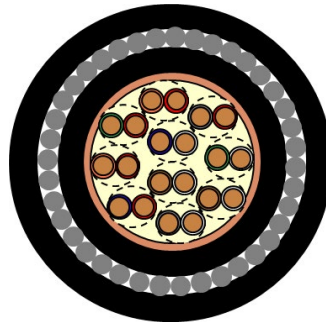
Multi-pair Armoured Telecommunications Cable For Transmission of analogue and digital signals in telecommunications links over intermediate distances in a robust environment that requires additional mechanical and abrasion resistance (e.g., mining environment)



Technical Information and Photographs from CBI electric

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Product Information:

Electrical Characteristics		0.6mm ²	0.9mm ²
Conductor resistance at 20 °C	(max Ω/km)	64.4	28.5
Mutual Capacitance @ 800 Hz	(max average nF/1000m)	90	90
Capacitance Unbalance Pr-to-Pr	(@ 800 Hz Ind Max pF/200m)	195	195
Insulation Resistance @ 500V DC	(Ind Min MΩ/km)	80	80
High Voltage Withstand kV DC	(60 seconds)	1	1
Physical Characteristics			
Operating Temperature (max)	(°C)	90	90
Fire Retardancy		IEC 60332 Part 3 Category C upon request	
Bending Radius (min)	(mm)	18 x overall cable diameter (SWA)	



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Description	Std Drum	Diameter (mm)	Weight (kg/km)	Description	Std Drum	Diameter (mm)	Weight (kg/km)
	Length				Length		
2 Pair 0.6mm	500m 1000m	9.5	183	2 Pair 0.9mm	500m 1000m	10.4	240
1 Quad 0.6mm	500m 1000m	9.4	182	1 Quad 0.9mm	500m 1000m	10.3	239
4 Pair 0.6mm	500m 1000m	11.4	250	4 Pair 0.9mm	500m 1000m	13.8	350
5 Pair 0.6mm	500m 1000m	11.6	255	5 Pair 0.9mm	500m 1000m	14.2	385
6 Pair 0.6mm	500m 1000m	11.9	280	6 Pair 0.9mm	500m 1000m	14.5	400
10 Pair 0.6mm	500m 1000m	13.3	350	10 Pair 0.9mm	500m 1000m	18.1	585
15 Pair 0.6mm	500m 1000m	14.5	420	15 Pair 0.9mm	500m 1000m	20.2	725
20 Pair 0.6mm	500m 1000m	15.6	475	20 Pair 0.9mm	500m 1000m	22.4	980
25 Pair 0.6mm	500m 1000m	17.1	570	25 Pair 0.9mm	500m 1000m	25.1	1185
30 Pair 0.6mm	500m 1000m	18.3	650	30 Pair 0.9mm	500m 1000m	26.3	1310
40 Pair 0.6mm	500m 1000m	19.8	750	40 Pair 0.9mm	500m 1000m	29.9	1755
51 Pair 0.6mm	500m 1000m	23.1	1060	51 Pair 0.9mm	500m 1000m	32.3	1995
76 Pair 0.6mm	500m 1000m	26.4	1360	76 Pair 0.9mm	500m 1000m	38.6	2895
102 Pair 0.6mm	500m 1000m	30.2	1850	102 Pair 0.9mm	500m 1000m	42.0	3445



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Tel: +27 11 878 3050

Website: www.actomep.co.za

INDUSTRIAL CABLE-INDUSTRIAL TELECOMMUNICATIONS CABLE

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Core Identification and Coding Scheme:

Pair no.	Wire (A)	Wire (B)	Pair no.	Wire (A)	Wire (B)
1	White	Blue	27	Pink	Orange
2	White	Orange	28	Pink	Green
3	White	Green	29	Pink	Brown
4	White	Brown	30	Pink	Grey
5	White	Grey	31	White	Red
6	Red	Blue	32	White	Black
7	Red	Orange	33	White	Yellow
8	Red	Green	34	White	Violet
9	Red	Brown	35	White	Pink
10	Red	Grey	36	Blue	Orange
11	Black	Blue	37	Blue	Green
12	Black	Orange	38	Blue	Brown
13	Black	Green	39	Blue	Grey
14	Black	Brown	40	Red	Black
15	Black	Grey	41	Red	Yellow
16	Yellow	Blue	42	Red	Violet
17	Yellow	Orange	43	Red	Pink
18	Yellow	Green	44	Orange	Green
19	Yellow	Brown	45	Orange	Brown
20	Yellow	Grey	46	Orange	Grey
21	Violet	Blue	47	Black	Yellow
22	Violet	Orange	48	Black	Violet
23	Violet	Green	49	Black	Pink
24	Violet	Brown	50	Green	Brown
25	Violet	Grey	51	Green	Grey
26	Pink	Blue	52	Brown	Grey



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Complete your Project:

Please select the items you require and we will be in touch

Cables and Wires:

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Lighting:

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Transformers (Distribution):

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Accessories:

Indoor
Outdoor
General
Other
Let an ACTOM
Specialist Contact you

Specific Information:

For more Information on this Product Please Send us the Following

Product Information:

Product Name:

Quantity:

Project Name:

Date the Product is required:

Your Contact Information:

Name and Surname:

Company:

Email:

Phone Number:

Province:

Thank You

For having a Look at this Product

Please send this PDF back to us with all your Information

Scan the QR Code to visit our Website:

