



Filotex®

SMA & SMBL Unscreened and jacketed (SMA), screened and jacketed (SMBL) multicore cables

PRODUCTS IN THE RANGE

- SMA
(unscreened cables)
- SMBL
(screened cables)

CONSTRUCTION

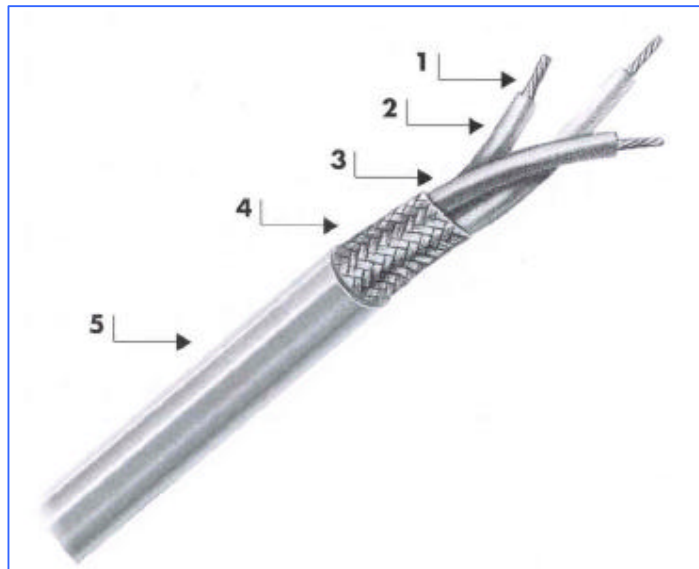
- 1- CONDUCTOR:
stranded tinned
copper wires
- 2- INSULATION:
flexible polyvinyl chloride
(PVC)
- 3- LAY UP:
polyester tape
(for screened cables only)
- 4- SCREEN:
tinned copper braid
- 5- OUTER JACKET:
polyvinyl chloride (PVC)
(for SMA and SMBL)
colour coding of the cores
by plain colours and rings

To NEXANS specification

- ❑ Operating voltage: 500 Volts RMS
- ❑ Operating temperature: - 20° C up to + 80°C
(ambient temperature + rise).

Main characteristics

- ❑ Flexible cables designed for internal wiring in equipment, found in widely varying markets (instrumentation, process-control, remote control, electronic industrial equipment,...)
- ❑ They are flame retardant (to NFC 32070/C2 French specification).



UNSCREENED AND JACKETED MULTICORE CABLE - SERIE SMA

Nb. of cores	Reference Filotex	Cross section 0,22 mm ²			Cross section 0,34 mm ²			Cross section 0,60 mm ²		
		(AWG24)			(AWG22)			(AWG20)		
		Æ	+/-	Average weight	Æ	+/-	Average weight	Æ	+/-	Average weight
		mm	Kg/Km	mm	Kg/Km	mm	Kg/Km	mm	Kg/Km	
2	SMA 02x...	3.10	0.15	11.33	3.70	0.15	16.60	4.25	0.15	28.21
3	SMA03x...	3.30	0.15	14.84	3.80	0.15	20.70	4.70	0.15	36.87
4	SMA 04x...	3.70	0.15	19.37	4.25	0.15	27.00	5.30	0.20	47.33
5	SMA05x...	3.90	0.15	22.13	4.60	0.15	32.13	5.80	0.20	56.32
7	SMA07x...	4.20	0.15	28.98	5.00	0.15	42.74	6.25	0.20	72.61
10	SMA 10x...	5.55	0.20	43.85	6.25	0.20	59.41	8.15	0.20	99.56
12	SMA12x...	5.70	0.20	49.99	6.35	0.20	67.34	8.35	0.25	114.42
19	SMA19x...	6.40	0.20	70.30	7.50	0.25	102.14	9.70	0.25	170.20
27	SMA 27x...	7.80	0.25	100.83	9.50	0.25	153.58	11.50	0.25	234.71
37	SMA37x...	8.50	0.25	129.11	10.00	0.25	188.88	13.50	0.30	330.92

SCREENED AND JACKETED MULTICORE CABLES - SERIE SMBL

Nb. of cores	Reference Filotex	Cross section 0,22 mm ²			Cross section 0,34 mm ²			Cross section 0,60 mm ²			Cross section 0,93 mm ²			Cross section 1,34 mm ²		
		(AWG24)			(AWG22)			(AWG20)			(AWG18)			(AWG16)		
		Æ	+/-	Average weight	Æ	+/-	Average weight	Æ	+/-	Average weight	Æ	+/-	Average weight	Æ	+/-	Average weight
		mm	Kg/Km	mm	Kg/Km	mm	Kg/Km	mm	Kg/Km	mm	Kg/Km	mm	Kg/Km	mm	Kg/Km	
2	SMBL 02x...	3.60	0.15	19.89	4.40	0.15	25.41	5.10	0.20	34.69	5.75	0.20	46.63	6.30	0.20	57.47
3	SMBL03x...	3.80	0.15	23.81	4.55	0.15	30.96	5.40	0.20	45.83	6.00	0.20	65.11	6.65	0.20	76.39
4	SMBL 04x...	4.10	0.15	29.24	5.00	0.15	38.59	5.90	0.20	57.01	6.80	0.20	78.38	7.40	0.25	99.80
5	SMBL05x...	4.40	0.15	32.40	5.65	0.20	49.38	6.50	0.20	68.84	7.30	0.25	93.45	8.20	0.25	121.82
7	SMBL07x...	4.90	0.15	45.29	5.80	0.20	61.40	6.90	0.20	92.43	8.00	0.25	122.12	9.00	0.25	160.78
10	SMBL 10x...	6.00	0.15	57.49	7.25	0.25	81.94	8.90	0.25	126.59	10.20	0.30	174.41	11.60	0.30	230.88
12	SMBL12x...	6.10	0.20	63.33	7.30	0.25	91.28	8.90	0.25	141.95	10.30	0.30	194.36	11.70	0.30	258.8
19	SMBL19x...	7.05	0.25	90.77	8.50	0.25	131.16	10.55	0.30	205.2	12.10	0.30	287.34	14.30	0.30	409.74
27	SMBL 27x...	8.75	0.25	129.78	9.90	0.25	175.04	12.80	0.30	294.79	14.90	0.30	418.65	17.40	0.35	576.29
37	SMBL37x...	9.45	0.25	160.87	11.10	0.30	229.01	14.30	0.30	384.18	16.40	0.35	539.74	19.50	0.40	759.42

DESCRIPTION OF CORE

CONDUCTOR			Ø
Cross section mm ²	Gauge AWG	Construction n x Ø mm	Insulation mm
0.22	24	7 x 0.20	1.04
0.34	22	7 x 0.25	1.24
0.60	20	19x 0.20	1.65
0.93	18	19 x 0.25	1.90
1.34	16	19 x 0.30	2.27

COLOUR CODING OF CORES SMA/SMBL

Core. n°	Plain colour	Core n°	Plain colour/ Ring colour	Core. n°	Plain colour	Core n°	Plain colour/ Ring colour
1	White	11	White/Blue	21	Blue/Brown	31	Yellow/Green
2	Light Blue	12	White/Yellow	22	Blue/Black	32	Yellow/Grey
3	Yellow	13	White/Brown	23	Blue/Red	33	Yellow/Orange
4	Brown	14	White/Black	24	Blue/Green	34	Yellow/Purple
5	Black	15	White/Red	25	Blue/Grey	35	Brown/Black
6	Red	16	White/Green	26	Blue/Orange	36	Brown/Red
7	Green	17	White/Grey	27	Blue/Purple	37	Brown/Green
8	Grey	18	White/Orange	28	Yellow/Brown		
9	Orange	19	White/Purple	29	Yellow/Black		
10	Purple	20	White/Yellow	30	Yellow/Red		

140 - 146 rue E. Delacroix / BP 1
F - 91211 Draveil cedex - FRANCE
Tel : + 33 1 69 83 78 00
Fax : + 33 1 69 42 05 70



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