

# Traction cable

## RADOX TENUIS-TW 600V MM S

**General properties:**

Halogen free, electrom-beam cross-linked cables with improved behaviour in case of fire, easy to strip and flexible.

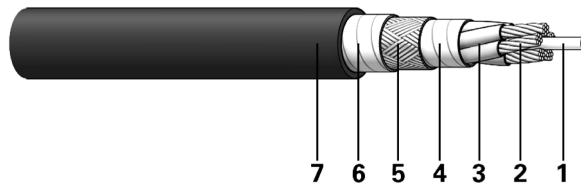
Multicore signal and control cables, screened  
 Nominal voltage: 600 / 1000 V AC  
 Hazard level: M (extra low temperature, extra oil and extra fuel resistant)

**Application:**

The cables are intended for permanent installation in rail vehicles or for applications in which a limited alternating bending stress occur during service.

Guidelines for selection and installation are described in the standards EN 50355 and EN 50343.

**General composition of cable:**



- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Filler (optional)</li> <li>2. RADOX TENUIS-TW 600V cores</li> <li>3. RADOX TENUIS-TW 600V cores</li> <li>4. Separator (optional)</li> <li>5. EMC-screen</li> <li>6. Separator</li> <li>7. Sheath</li> </ol> | <p>RADOX 125 REC</p> <p>Conductor: stranded tin plated copper, acc. to EN 50306-2</p> <p>Insulation: RADOX EI 303</p> <p>Colours: white, black numbered<br/>other colours on request</p> <p>Tape</p> <p>Tin plated copper braid</p> <p>Tape</p> <p>RADOX EM 104, acc. to EN 50264-1</p> <p>Colour : black, yellow marked</p> |
|---|--|

Copyright 2021 HUBER+SUHNER AG. This document may not be amended and its content is confidential. It may not be passed on to third party which are not bound by confidentiality.

The product fulfils the test and specification requirements described in this document for the stated areas of application and operating conditions. HUBER+SUHNER AG does not expressly or implicitly guarantee performance under additional or changed conditions. Deviations are to be agreed upon in writing.

**HUBER+SUHNER AG**

**Low Frequency Division**

CH-8330 Pfäffikon

+41 (0)44 952 22 11

+41 (0)44 952 26 40

www.hubersuhner.com



# Traction cable

## RADOX TENUIS-TW 600V MM S

**Marking:**

[a] HUBER+SUHNER RADOX TENUIS-TW 600V [b] MM S [c]-[d] [e] [f]

		example:
[a]	Meter marking (in m)	= 001234 = m
[b]	Construction	3X1.5
[c]	Part number	12345678
[d]	Batch number	1234567
[e]	Production week and year	03-2017
[f]	Production place (only if China)	CN
[g]	CRCC certificate (only if available)	CRCC10218P11529R1M

**Technical data:**

Voltage rating cond.-earth	..... U <sub>0</sub> .....	600 .....	V AC
Voltage rating cond.-cond.	..... U .....	1000 .....	V AC
maximum permissible Voltage rating AC cond.-earth	.....	720 .....	V AC
maximum permissible Voltage rating AC cond.-cond.	U <sub>m</sub> .....	1200 .....	V AC
maximum permissible Voltage rating DC cond.-earth	V <sub>0</sub> .....	900 .....	V DC
maximum permissible Voltage rating DC cond.-cond.	.....	1500 .....	V DC
Test voltage	.....	3500 .....	V AC
Temperature range	.....	-50 ... + 125 .....	°C

Min. bending radius

fixed installation	..... cable diameter ≤ 12 mm	..... 3 x D
	..... cable diameter > 12 mm	..... 4 x D
sporadic movement	..... cable diameter ≤ 12 mm	..... 4 x D
	..... cable diameter > 12 mm	..... 5 x D

**NB:**

The upper temperature limit is determined by long term ageing according to EN 50305 Par. 7 and extrapolation to 20,000 hours.

The lower temperature limit is determined by bending and elongation tests according to EN60811-504/505, respectively low temperature behaviour tests according to GOST 20.57.406-81, method 204-1 and GOST 17491-80.

The specified bending radii require a careful and proper handling using proven fastening technologies.

# Traction cable

## RADOX TENUIS-TW 600V MM S

**The cables are in conformity with:**

<b>Fire protection on railway vehicles, hazard level</b> ..	<b>HL1 - HL3</b> .....	<b>EN 45545-2</b>
Vertical flame spread .....	50 mm < L ≤ 540 mm .....	EN 60332-1-2
Vertical flame spread, bunched, D ≤ 6 mm .....	L ≤ 1.5 m .....	EN 50305, 9.1.2
Vertical flame spread, bunched, 6 < D < 12 mm .....	L ≤ 2.5 m .....	EN 60332-3-25
Vertical flame spread, bunched, D ≥ 12 mm .....	L ≤ 2.5 m .....	EN 60332-3-24
Smoke density .....	T ≥ 70 % .....	EN 61034-2
Corrosivity of combustion gases .....	pH ≥ 4.3, C ≤ 10 μS/mm .....	EN 60754-2
Amount of halogen acid gas .....	HCl + HBr ≤ 0.5 % .....	EN 60754-1
Content of fluorine .....	HF ≤ 0.1 % .....	EN 60684-2, 45.2
Toxicity .....	ITC ≤ 6 .....	EN 50305, 9.2
<b>Fire safety, class</b> .....	<b>O1.8.1.2.1 (single)</b> .....	<b>GOST 31565</b>
	<b>P1b.8.1.2.1 (bundle)</b>	
Vertical flame spread .....	50 mm < L ≤ 540 mm .....	EN 60332-1-2
Vertical flame spread, bunched .....	L ≤ 2.5 m .....	EN 60332-3-22
Corrosivity of combustion gases .....	pH ≥ 4.3, C ≤ 10 μS/mm .....	EN 60754-2
Amount of halogen acid gas .....	HCl + HBr ≤ 0.5 % .....	EN 60754-1
Toxicity .....	40 < Tx ≤ 120 g/m <sup>3</sup> .....	GOST 12.1.044-89
Smoke density .....	T ≥ 60 % .....	EN 61034-2
<b>Fire protection on railway vehicles</b> .....	<b>Fulfilled</b> .....	<b>NFPA 130</b>
Vertical flame spread, bunched .....	L ≤ 1.5 m .....	UL 1685, 12 (FT4 exp.)
Smoke density .....	TSR ≤ 150 m <sup>2</sup> , PSRR ≤ 0.40 m <sup>2</sup> /s ..	UL 1685, 12 (FT4 exp.)
<b>Requirement of hazard level Code M</b> .....	(according to EN 50264-1 or EN 50306-1)	
Extra low temperature .....	- 40°C	
Extra oil resistance .....	IRM 902, 72h, 100°C	
Extra fuel resistance .....	IRM 903, 168h, 70°C	

# Traction cable

## RADOX TENUIS-TW 600V MM S

Construction n x mm <sup>2</sup>	Conductor Dia. <sub>nom.</sub> mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
					core/ core	core/ screen pF/m				
2x0.25	0.60	1.17	4.05±0.3	88.5	100	170	224	1.7	2.6	85032996
3x0.25	0.60	1.17	4.25±0.3	88.5	110	180	245	1.7	3.0	85075937
10x2x0.25	0.60	1.17	11.1±0.4	88.5	70	120	1438	9.6	17.4	85070661
24x2x0.25	0.60	1.17	15.5±0.5	88.5	70	120	2945	18.8	34.2	85067930

Construction n x mm <sup>2</sup>	Conductor Dia. <sub>nom.</sub> mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
					core/ core	core/ screen pF/m				
2x0.34	0.76	1.30	4.7±0.3	54.7	120	200	304	2.3	3.7	85070508
3x0.34	0.76	1.30	4.9±0.3	54.7	120	200	325	2.4	4.2	85024293
4x0.34	0.76	1.30	5.25±0.3	54.7	110	180	368	2.7	4.9	85070510
24x0.34	0.76	1.30	10.5±0.4	54.7	80	140	1423	9.1	20.5	85073629

Construction n x mm <sup>2</sup>	Conductor Dia. <sub>nom.</sub> mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
					core/ core	core/ screen pF/m				
2x0.5	0.84	1.42	4.8±0.3	40.1	130	220	315	2.3	3.9	12568117
3x0.5	0.84	1.42	5.3±0.3	40.1	130	220	380	2.8	4.9	12568118
4x0.5	0.84	1.42	5.4±0.3	40.1	110	190	380	2.7	5.4	12568119
4x0.5	0.84	1.42	8.35±0.2	40.1	110	190	1005	2.7	10.4	85102247 1)
5x0.5	0.84	1.42	6.2±0.3	40.1	100	170	527	3.8	7.2	12581351
6x0.5	0.84	1.42	6.5±0.3	40.1	100	160	590	3.8	8.2	12568120
6x0.5	0.84	1.42	9.25±0.2	40.1	100	160	1240	9.4	13.2	85102248 1)
7x0.5	0.84	1.42	7.2±0.3	40.1	90	160	751	4.7	9.7	12583138
8x0.5	0.84	1.42	7.5±0.3	40.1	90	150	831	5.2	10.9	12581352
8x0.5	0.84	1.42	10.1±0.2	40.1	90	150	1485	10.9	16.3	85105846 1)
9x0.5	0.84	1.42	7.9±0.3	40.1	90	150	813	5.2	11.4	12581450
10x0.5	0.84	1.42	7.9±0.3	40.1	90	150	839	5.3	11.9	84112800
12x0.5	0.84	1.42	8.1±0.3	40.1	90	150	882	5.4	13.0	12581353
15x0.5	0.84	1.42	9.0±0.3	40.1	90	150	1114	6.7	16.0	12582036
15x0.5	0.84	1.42	13.0+0.2/-0.3	40.1	90	150	2510	18.4	28.9	12551839 2)

1) RADOX TENUIS-TW 600V ... MM S SPEC; double sheathed

2) RADOX TENUIS-TW 600V 15X0.5 MM S SPEC; double sheathed and with special marking:

HUBER+SUHNER RADOX TENUIS-TW 600V 15X0.5 MM S SPEC 12551839-[batch-no.][date of manufacture] / SECHERON 5.8604.220

# Traction cable

## RADOX TENUIS-TW 600V MM S

Construction n x mm <sup>2</sup>	Conductor Dia. <sub>nom.</sub> mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.	
					core/ core	core/ screen					
16x0.5	0.84	1.42	9.1±0.3	40.1	90	150	1123	6.6	16.4	12583727	
20x0.5	0.84	1.42	10.6±0.4	40.1	90	140	1544	9.3	22.2	84123311	
24x0.5	0.84	1.42	11.3±0.4	40.1	90	140	1686	10.1	24.9	84141106	
25x0.5	0.84	1.42	11.3±0.4	40.1	90	140	1708	10.1	25.4	12582037	
30x0.5	0.84	1.42	11.5±0.4	40.1	90	140	1630	10.0	26.5	12582909	
36x0.5	0.84	1.42	13.3±0.4	40.1	90	140	2365	13.7	36.7	12582038	
42x0.5	0.84	1.42	14.3±0.4	40.1	90	140	2565	16.0	41.2	12582039	
2x2x0.5	0.84	1.42	7.2±0.3	40.1	110	190	625	4.4	8.0	12568121	
3x2x0.5	0.84	1.42	8.1±0.3	40.1	100	160	802	5.5	10.3	12581451	
4x2x0.5	0.84	1.42	9.3±0.3	40.1	90	150	1076	7.5	13.6	12568122	
5x2x0.5	0.84	1.42	10.3±0.4	40.1	90	150	1338	9.1	17.0	12582041	
6x2x0.5	0.84	1.42	11.1±0.4	40.1	90	150	1592	10.5	19.8	12582042	
8x2x0.5	0.84	1.42	13.5±0.4	40.1	90	150	2422	15.5	29.3	12583728	
10x2x0.5	0.84	1.42	13.7±0.4	40.1	90	140	1996	13.3	29.0	84104571	
12x2x0.5	0.84	1.42	13.0±0.3	40.1	90	140	1770	10.8	28.3	12581358	
2x3x0.5	0.84	1.42	8.55±0.3	40.1	90	160	930	6.4	11.5	85115746	
2x(2x0.5)	0.84	1.42	11.8±0.4	40.1	-	-	1887	13.7	22.5	12582040	
2x0.5 + 3x0.75	0.84 1.04	1.42 1.62	7.7±0.3	40.1 26.7	-	-	750	5.1	10.0	85065402	<sup>3)</sup>

<sup>3)</sup> Colour of sheath: violet , 2x0.5 (numbered: 4...5) 3x0.75 (numbered: 1...3)

# Traction cable

## RADOX TENUIS-TW 600V MM S

Construction n x mm <sup>2</sup>	Conductor Dia.nom. mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
					core/ core	core/ screen				
2x0.75	1.04	1.62	5.0±0.3	26.7	150	250	330	2.5	4.6	12568514
3x0.75	1.04	1.62	5.4±0.3	26.7	150	250	370	2.6	5.6	12568515
3G0.75	1.04	1.62	5.4±0.3	26.7	150	250	370	2.6	5.6	12583993
4x0.75	1.04	1.62	6.0±0.3	26.7	120	210	474	3.2	7.4	12568516
4G0.75	1.04	1.62	6.0±0.3	26.7	120	210	474	3.2	7.4	12583994
5x0.75	1.04	1.62	6.7±0.3	26.7	110	190	611	4.0	9.2	85063744
6x0.75	1.04	1.62	7.2±0.3	26.7	110	180	721	4.6	10.6	12568517
7x0.75	1.04	1.62	8.0±0.3	26.7	100	170	909	5.7	12.7	12581578
8x0.75	1.04	1.62	8.4±0.3	26.7	100	170	1024	6.3	14.2	12582045
10x0.75	1.04	1.62	8.7±0.3	26.7	100	170	986	6.2	15.5	12582046
12x0.75	1.04	1.62	9.0±0.3	26.7	100	160	1053	6.4	17.2	12581354
14x0.75	1.04	1.62	9.8±0.3	26.7	100	160	1235	7.5	20.6	12584333
16x0.75	1.04	1.62	10.5±0.4	26.7	100	160	1426	8.6	23.6	12582047
18G0.75	1.04	1.62	11.0±0.4	26.7	100	160	1605	9.6	26.0	85001068
20x0.75	1.04	1.62	11.1±0.4	26.7	100	160	1495	9.4	27.0	85111580
24x0.75	1.04	1.62	12.8±0.4	26.7	100	160	2034	12.2	35.5	12582049
25x0.75	1.04	1.62	12.8±0.4	26.7	100	160	2059	12.2	35.6	85063741
27x0.75	1.04	1.62	13.2±0.4	26.7	90	160	2198	13.0	38.4	84114908
30x0.75	1.04	1.62	13.7±0.4	26.7	90	160	2372	13.8	41.4	84122437
37x0.75	1.04	1.62	15.7±0.5	26.7	90	160	3130	18.4	51.7	84122439
2x2x0.75	1.04	1.62	8.2±0.3	26.7	120	210	859	5.8	10.7	12582050
3x2x0.75	1.04	1.62	9.0±0.3	26.7	110	180	952	6.4	13.0	12581579
4x2x0.75	1.04	1.62	10.5±0.4	26.7	100	170	1327	9.2	18.2	12584787
4x3x0.75	1.04	1.62	11.3±0.4	26.7	100	160	1570	10.1	22.0	84147685
6x2x0.75	1.04	1.62	12.8±0.4	26.7	100	160	1760	11.3	25.4	85022422
8x2x0.75	1.04	1.62	15.2±0.5	26.7	100	160	2980	19.7	36.1	12585078
12x2x0.75	1.04	1.62	15.7±0.5	26.7	100	160	2400	16.5	40.6	85084909
6x(2x0.75)	1.04	1.62	19.5±0.5	26.7	-	-	5073	36.8	61.6	12584429

# Traction cable

## RADOX TENUIS-TW 600V MM S

Construction n x mm <sup>2</sup>	Conductor Dia.nom. mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.	
					core/ core	core/ screen					
2x1	1.21	1.77	5.6±0.3	20.0	160	260	410	3.0	5.6	12568162	
3x1	1.21	1.77	6.0±0.3	20.0	160	260	478	3.3	7.4	12568163	
3x(1)	1.21	1.77	9.55±0.3	20.0	-	-	1102	8.6	15.0	85135079	
4x1	1.21	1.77	6.5±0.3	20.0	130	220	553	3.7	8.9	12568164	
5x1	1.21	1.77	7.0±0.3	20.0	120	200	656	4.2	10.5	12583729	
6x1	1.21	1.77	7.8±0.3	20.0	110	190	839	5.3	12.8	12568165	
7x1	1.21	1.77	8.5±0.3	20.0	110	180	1015	6.3	14.9	12583999	
8x1	1.21	1.77	8.9±0.3	20.0	110	180	1140	6.9	16.5	12581449	
12x1	1.21	1.77	9.9±0.3	20.0	100	170	1226	7.5	21.6	12581355	
16x1	1.21	1.77	11.2±0.4	20.0	100	170	1607	9.7	27.9	12584811	
20x1	1.21	1.77	12.7±0.4	20.0	100	170	2088	12.4	36.2	84143022	
22x1	1.21	1.77	13.3±0.3	20.0	100	170	2307	13.5	39.8	12581356	
37x1	1.21	1.77	16.7±0.5	20.0	100	160	3506	20.5	62.3	84129985	
2x2x1	1.21	1.77	8.8±0.3	20.0	130	220	957	6.7	12.6	12581357	
5x2x1	1.21	1.77	12.7±0.4	20.0	100	170	1949	13.2	7.8	12584697	
6x2x1	1.21	1.77	14.0±0.4	20.0	100	170	2424	16.2	33.4	12584412	
8x2x1	1.21	1.77	16.7±0.5	20.0	100	170	3668	23.8	46.7	12585378	
3x4x1	1.21	1.77	12.4±0.4	20.0	100	170	1885	12.1	28.7	12583002	
4x4x1	1.21	1.77	14.2±0.4	20.0	100	170	2362	15.1	36.2	12584118	4)

4) RADOX TENUIS-TW 600V 4x4x1 MM S UIC, cable construction according to UIC 558 (16- core connection cable); numbering of cores: 1,4,2,3 / 5,8,6,7 / 9,12,10,11 / 14,20,15,16

# Traction cable

## RADOX TENUIS-TW 600V MM S

Construction n x mm <sup>2</sup>	Conductor Dia.nom. mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
					core/ core	core/ screen pF/m				
2x1.5	1.44	2.17	6.5±0.3	13.7	150	260	565	4.2	7.8	12568172
3x1.5	1.44	2.17	6.8±0.3	13.7	150	250	600	4.0	9.6	12568173
3G1.5	1.44	2.17	6.8±0.3	13.7	150	250	600	4.0	9.6	12583730
4x1.5	1.44	2.17	7.4±0.3	13.7	130	210	675	4.7	11.6	12568174
4G1.5	1.44	2.17	7.4±0.3	13.7	130	210	675	4.7	11.6	12583731
5x1.5	1.44	2.17	8.3±0.3	13.7	120	190	911	5.8	14.5	12582053
6x1.5	1.44	2.17	9.0±0.3	13.7	110	180	1094	6.8	17.1	12581465
7x1.5	1.44	2.17	10.0±0.3	13.7	110	180	1360	8.4	20.9	85031963
7G1.5	1.44	2.17	10.0±0.3	13.7	110	180	1360	8.4	20.9	85021166
8x1.5	1.44	2.17	11.0±0.4	13.7	100	170	1694	10.4	24.7	12586408
10x1.5	1.44	2.17	11.4±0.4	13.7	100	170	1610	10.1	27.1	12583544
12x1.5	1.44	2.17	12.1±0.4	13.7	100	170	1749	10.9	32.2	12582054
16x1.5	1.44	2.17	13.6±0.4	13.7	100	170	2245	13.6	41.1	12582055
18x1.5	1.44	2.17	14.4±0.4	13.7	100	160	2559	15.4	46.5	12582056
48x1.5	1.44	2.17	21.9±0.5	13.7	100	160	5224	43.7	120	85022986
64x1.5	1.44	2.17	25.5±0.6	13.7	100	160	7713	45.0	146	85020967
2x2x1.5	1.44	2.17	10.6±0.4	13.7	110	180	1400	9.5	18.5	84105087
4x2x1.5	1.44	2.17	13.5±0.4	13.7	100	170	1846	12.6	29.6	12585486
6x2x1.5	1.44	2.17	16.3±0.5	13.7	100	170	3226	21.5	44.7	12585487 <sup>5)</sup>
12x2x1.5	1.44	2.17	20.6±0.5	13.7	100	160	4094	26.6	70.2	85004430
3x4x1.5	1.44	2.17	14.8±0.4	13.7	100	160	2612	16.6	39.7	12584953

<sup>5)</sup> increased sheath thickness



# Traction cable

## RADOX TENUIS-TW 600V MM S

Construction n x mm <sup>2</sup>	Conductor Dia. <sub>nom.</sub> mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
					core/ core	core/ screen pF/m				
2x2.5	1.85	2.75	7.8±0.3	8.21	170	280	807	5.7	12.0	12568175
3x2.5	1.85	2.75	8.2±0.3	8.21	160	280	861	5.7	14.2	12582658
3G2.5	1.85	2.75	8.2±0.3	8.21	160	280	861	5.7	14.4	12583736
4x2.5	1.85	2.75	9.1±0.3	8.21	130	220	1054	6.8	17.9	12582058
5x2.5	1.85	2.75	10.3±0.4	8.21	120	200	1365	8.7	23.0	12584926
6x2.5	1.85	2.75	11.4±0.4	8.21	110	190	1723	10.7	27.7	12582059
7x2.5	1.85	2.75	12.5±0.4	8.21	110	190	2072	12.7	33.7	12584927
10x2.5	1.85	2.75	14.2±0.4	8.21	110	180	2384	15.0	43.4	84091733
16x2.5	1.85	2.75	17.1±0.5	8.21	110	180	3296	21.5	64.3	85092868
30G2.5	1.85	2.75	22.5±0.5	8.21	100	170	5460	34.9	114.9	85078241
2x2x2.5	1.85	2.75	13.2±0.4	8.21	110	190	2167	14.6	29.7	12583449

Construction n x mm <sup>2</sup>	Conductor Dia. <sub>nom.</sub> mm	Core Dia. nom. mm	Cable diameter mm	R <sub>20</sub> max. Ω/km	C'		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
					core/ core	core/ screen pF/m				
2x4	2.35	3.35	8.9±0.3	5.09	170	290	1077	7.0	16.3	12583873
3x4	2.35	3.35	9.7±0.3	5.09	170	290	1216	8.0	20.9	85003133
4x4	2.35	3.35	11.0±0.4	5.09	130	220	1526	9.7	27.4	85003135

# Traction cable

## RADOX TENUIS-TW 600V MM S

### Cables with coloured cores:

Construction n x mm <sup>2</sup>	Con- ductor Dia. <sub>nom</sub> mm	Core colours	Core Dia. nom mm	Cable Dia. mm	R <sub>20</sub> max Ω/km	C' core/ core/ screen pF/m		Fire load nom. kJ/m	Combustible material nom. kg/100m	Cable weight nom. kg/100m	H + S Part No.
3V0.5	0.84	BN-BK-BU	1.42	5.2±0.3	40.1	130	220	365	2.7	4.8	12584130
3V0.5	0.84	BU-RD-GN	1.42	5.2±0.3	40.1	130	220	365	2.7	4.8	85091049
3V0.5	0.84	WH-RD-BK	1.42	5.2±0.3	40.1	130	220	365	2.7	4.8	85103643
4V0.5	0.84	BU-WH- BN-BK	1.42	5.4±0.3	40.1	110	190	380	2.7	5.4	12584097
4V0.5	0.84	BU-BK-BN- GNYE	1.42	5.4±0.3	40.1	110	190	380	2.7	5.4	85027557
4V0.5	0.84	BU-RD- GN-YE	1.42	5.4±0.3	40.1	110	190	380	2.7	5.4	85091050
5V0.5	0.84	BN-BK-BU- WH-GY	1.42	6.3±0.3	40.1	100	170	545	3.7	7.4	84092080
2V0.75	1.04	BK-BU	1.62	5.3±0.3	26.7	150	250	375	2.9	5.0	12584133
3V0.75	1.04	BU-BN- GNYE	1.62	5.25±0.3	26.7	130	220	350	2.5	5.4	85120367
4V0.75	1.04	BU-BN- GY-GNYE	1.62	5.65±0.3	26.7	120	200	395	2.7	6.5	85120365
3V1.5	1.44	WH-BN-BU	2.17	6.8±0.3	13.7	150	250	600	4.0	9.6	85115172

- X: one colour, numbered
- G: one green-yellow core, others one colour, numbered
- V: various colours
- Cores: Core details according to H+S Datasheet 564264
- R<sub>20</sub>: Conductor resistance according to EN 60228
- C': Capacity typical value

#### Colour Legend:

- BK: black
- BN: brown
- RD: red
- OG: orange
- YE: yellow
- GN: green
- BU: blue
- VT: violet
- GNYE: green-yellow
- GY: grey
- WH: white
- PK: pink
- TQ: turquoise