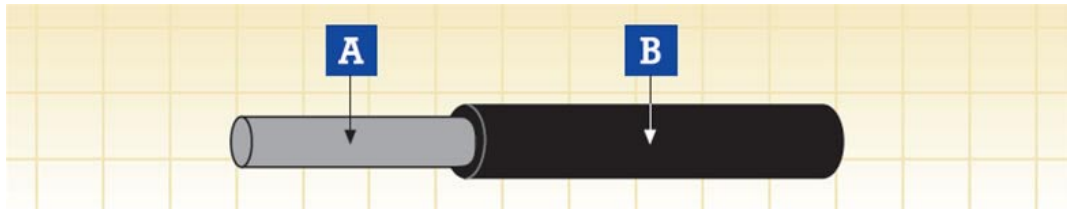


RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types IV Rolling Stock Cables 30/50V Singlecore Reduced Wall Unsheathed Cables



A.Conductor B.Insulation

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

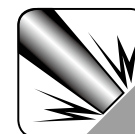
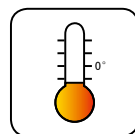
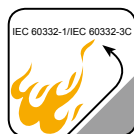
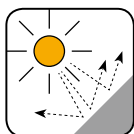
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

Smoke index

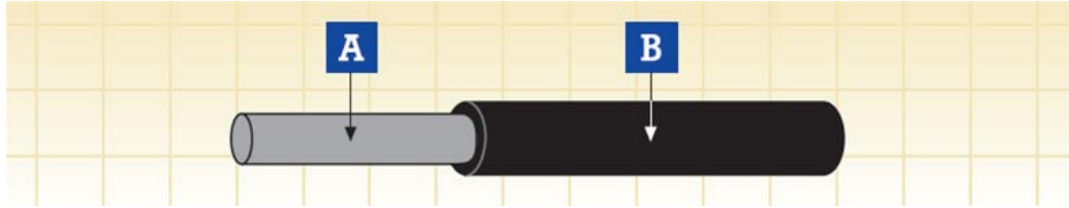
No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	0.5	19/0.18	1.34	6	40.1
1	0.75	37/0.16	1.56	8	26.7
1	1.0	37/0.18	1.69	10	20.0
1	1.5	37/0.23	2.07	16	13.7
1	2.5	37/0.30	2.66	27	8.21
1	4.0	37/0.37	3.32	41	5.09





RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types V Rolling Stock Cables 30/50V Singlecore Standard Wall Unsheathed Cables



A.Conductor B.Insulation

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

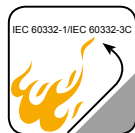
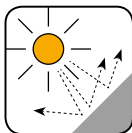
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

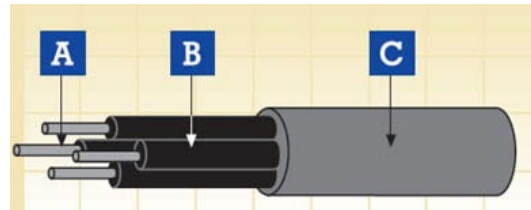
Smoke index

No. of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	0.5	16/0.2	2.32	10	40.1
1	0.75	24/0.2	2.53	13	26.7
1	1.0	32/0.2	2.71	15	20.0
1	1.5	30/0.25	3.23	22	13.7
1	2.5	50/0.25	3.7	34	8.21
1	4.0	56/0.3	4.5	50	5.09
1	6.0	84/0.3	5.09	75	3.39
1	10.0	80/0.4	6.3	123	1.95



RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types VII Rolling Stock Cables 30/50V Multicore Standard Wall Cables



A.Conductor B.Insulation C.Sheath

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Sheath

Cross linked EVA rubber type EM 104

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

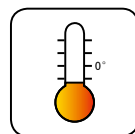
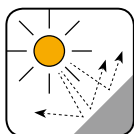
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

Smoke index

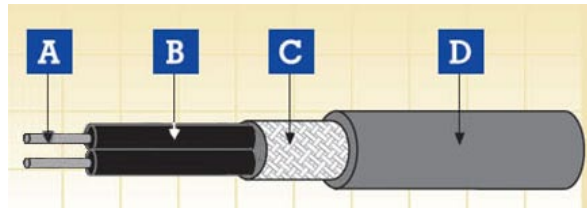
No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
12	1.0	32/0.20	20.25	309	20.0
42	1.5	30/0.25	38.35	1661	13.7





RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types VIII Rolling Stock Cables 30/50V Multipair Screened Standard Wall Cables



A. Conductor B. Insulation C. Screen D. Sheath

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

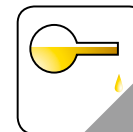
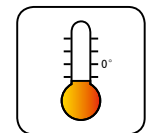
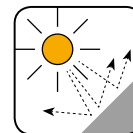
Cross linked EPR rubber type EI 107

Screen

Copper Braid Screen

Sheath

Cross linked EVA rubber type EM 104



Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

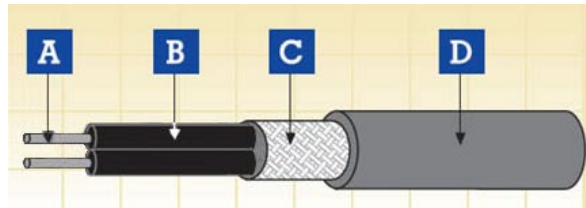
Smoke index

No. of Pair	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	0.5	16/0.2	8.45	99	40.1
1	0.75	24/0.2	9.2	110	26.7
1	1.0	32/0.2	9.5	139	20.0
1	1.0	32/0.2	11.7	186	20.0
1	1.0	32/0.2	15.6	306	20.0
2	1.0	32/0.2	15.7	443	20.0
3	1.0	32/0.2	21.7	662	20.0



RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types IX Rolling Stock Cables 30/50V Multipair Reduced Wall Screened Cables



A. Conductor B. Insulation C. Screen D. Sheath

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles □

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

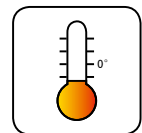
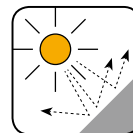
Cross linked EPR rubber type EI 107

Screen

Copper Braid Screen

Sheath

Cross linked EVA rubber type EM 104



Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

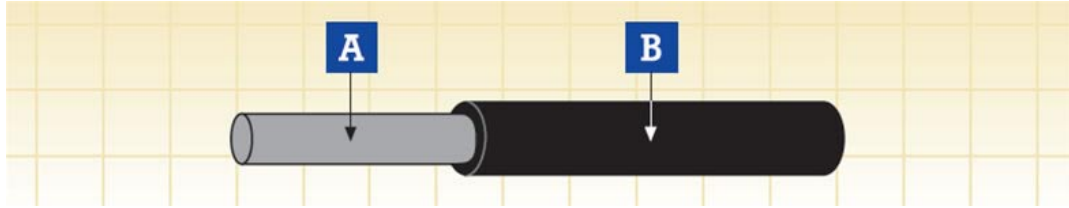
Smoke index

No. of pair	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	0.5	19/0.18	6.1	57	40.1
2	0.5	19/0.18	10.2	110	40.1
1	1.0	37/0.18	7.0	86	20.0
2	1.0	37/0.18	12.2	188	20.0
3	1.0	37/0.18	12.9	217	20.0
4	1.0	37/0.18	14.0	290	20.0



RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types XII Rolling Stock Cables 300/500V Singlecore Standard Wall Unsheathed Cables



A.Conductor B.Insulation

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

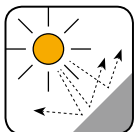
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

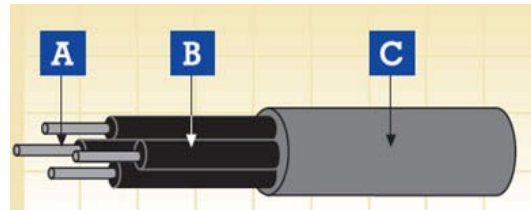
Smoke index

No. of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	1.0	32/0.2	3.3	19	20.0
1	1.5	30/0.25	3.7	26	13.7
1	2.5	50/0.25	4.2	38	8.21
1	4.0	56/0.3	5.0	57	5.09
1	6.0	84/0.3	5.6	80	3.39



RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types XIII Rolling Stock Cables 300/500V Multicore Standard Wall Cables



A.Conductor B.Insulation C.Sheath

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Sheath

Cross linked EVA rubber type EM 104

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

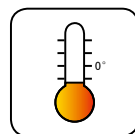
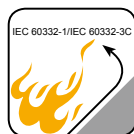
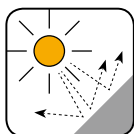
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

Smoke index

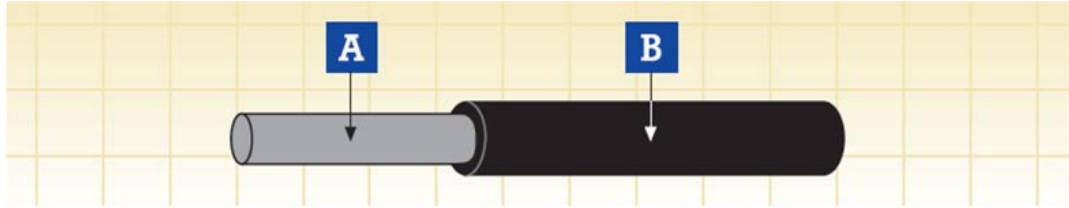
No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
12	1.0	32/0.2	20.3	309	20.0
42	1.5	30/0.25	38.1	1775	13.7





RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types I Rolling Stock Cables 600/1000V Singlecore Reduced Wall Unsheathed Cables



A.Conductor B.Insulation

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

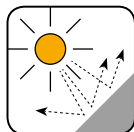
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

Smoke index

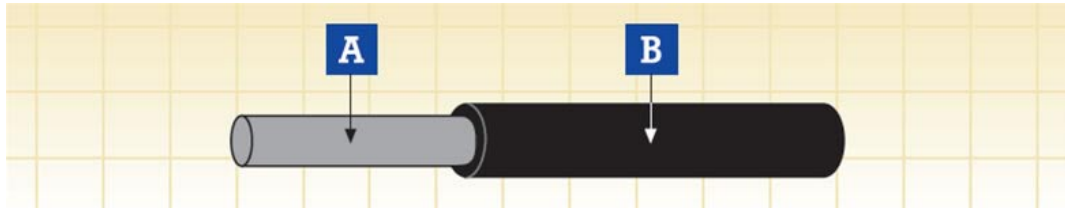
No. of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	0.5	19/0.18	1.5	6	40.1
1	0.75	37/0.16	1.76	9	26.7
1	1.0	37/0.18	1.9	11	20.0
1	1.5	37/0.23	2.25	17	13.7
1	2.5	37/0.30	2.84	28	8.21
1	4.0	37/0.37	3.44	42	5.09





RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types II Rolling Stock Cables 600/1000V Singlecore Standard Wall Unsheathed Cables



A.Conductor B.Insulation

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

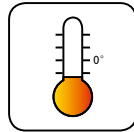
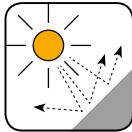
Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	0.75	24/0.20	2.99	15	26.7
1	1.0	32/0.20	3.3	19	20.0
1	1.5	30/0.25	3.69	26	13.7
1	2.5	50/0.25	4.16	38	8.21
1	4.0	56/0.30	4.95	57	5.09
1	6.0	84/0.30	5.55	81	3.39
1	10.0	80/0.40	7.0	135	1.94
1	16.0	128/0.40	8.35	202	1.24
1	25.0	196/0.40	10.2	309	0.795
1	35.0	276/0.40	11.75	404	0.565



RSE/STD/024 PART 6 Rolling Stock Cables

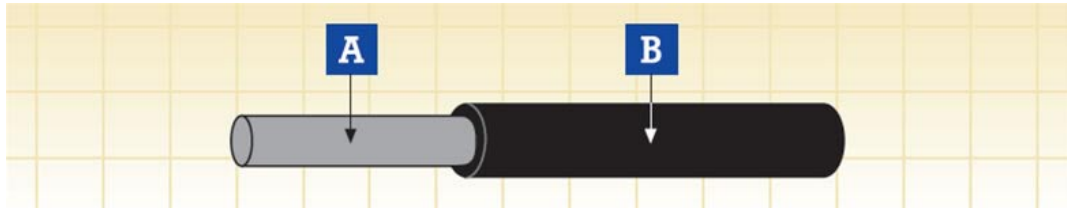
1	50.0	396/0.40	13.7	562	0.393
1	70.0	360/0.50	16.25	768	0.277
1	95.0	476/0.50	18.05	1003	0.210
1	150.0	756/0.50	22.95	1583	0.132
1	240.0	1221/0.50	27.9	2516	0.0817
1	300.0	1525/0.50	31.35	3089	0.0654





RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types III Rolling Stock Cables 600/1000V Singlecore Enhanced Wall Unsheathed Cables



A.Conductor B.Insulation

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

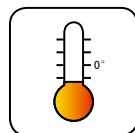
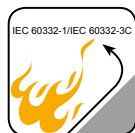
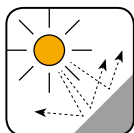
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

Smoke index

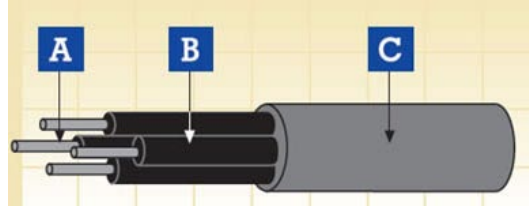
No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	50.0	396/0.40	16.45	657	0.393
1	70.0	360/0.50	18.35	873	0.277
1	95.0	476/0.50	19.5	1108	0.210
1	150.0	756/0.50	24.1	1663	0.132
1	185.0	925/0.50	26.5	2024	0.108
1	240.0	1221/0.50	29.0	2598	0.0817
1	300.0	1525/0.50	31.0	3181	0.0654





RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types VI Rolling Stock Cables 600/1000V Multicore Standard Wall Cables



A.Conductor B.Insulation C.Sheath

Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Sheath

Cross linked EVA rubber type EM 104

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

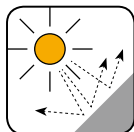
Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

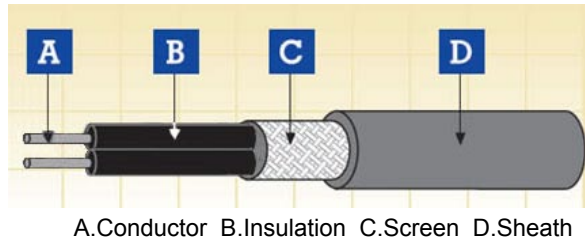
Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
10	2.5	50/0.25	28.1	1148	8.21
20	4.0	56/0.30	42.7	2421	5.09



RSE/STD/024 PART 6 Rolling Stock Cables

RSE/STD/024 Part 6 Types XI Rolling Stock Cables 600/1000V Singlepair Reduced Wall Screened Cables



Application

These cables are used as power and control cables for protected, fixed installation inside railway vehicles

Construction

Conductor

Flexible Stranded Tinned Copper

Insulation

Cross linked EPR rubber type EI 107

Screen

Copper Braid Screen

Sheath

Cross linked EPR rubber type EM 107

Chemical & Environmental Properties

EN 60684-2

EN 50305; EN 60811-2-1

EN 50305

No fluorine

Resistance to oil & fuel

Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2

DIN 5510-2

BS 6853

NF F 16-101

Hazard levels HL1, HL2/HL3, HL4

Protection level 1/2/3/4

Interior use 1a, 1b, II; Exterior use 1a, 1b, II

FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1

EN 50266-2-4 + EN 50305; IEC 60332-3C;

VDE 0472 Teil 804; BS 4066-3; NFC 32070

EN 50268-2; IEC 61034-2; VDE 0472 Teil 816

EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815

EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813

EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853

NFF 16101; NFF 63808; BS6853

Vertical flame propagation for a single insulated wire/cable

Fire propagation of bunched wires and cables

Smoke density

Halogen Free

Corrosivity of gases (Acidity & Conductivity)

Toxicity index

Smoke index

No. of Pair	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20°C
	mm ²	No/mm	mm	kg/km	Ω/km
1	1.0	37/0.18	7.3	76	20.0

