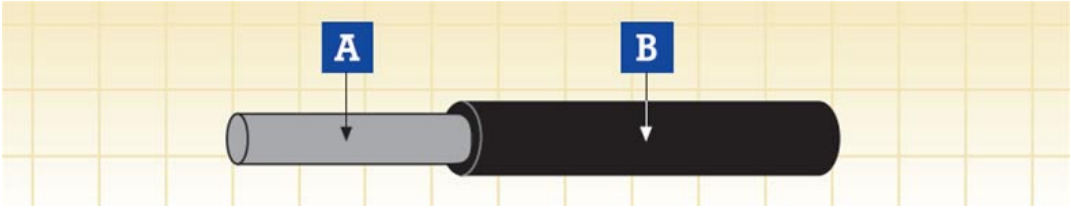
RSE/STD/024 Part 6 Types IV Rolling Stock Cables
30/50V Singlecore Reduced Wall Unsheathed Cables



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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

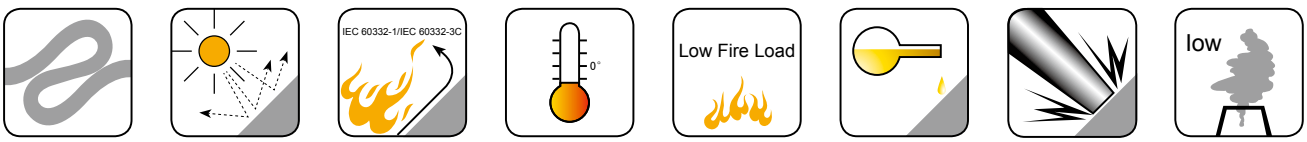
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

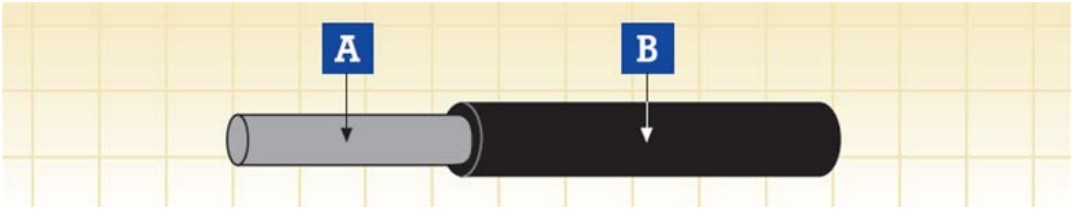
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

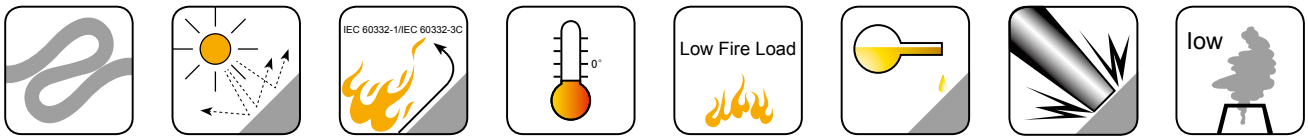
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

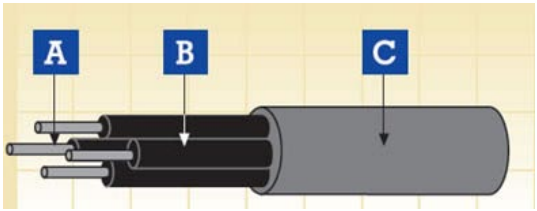
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

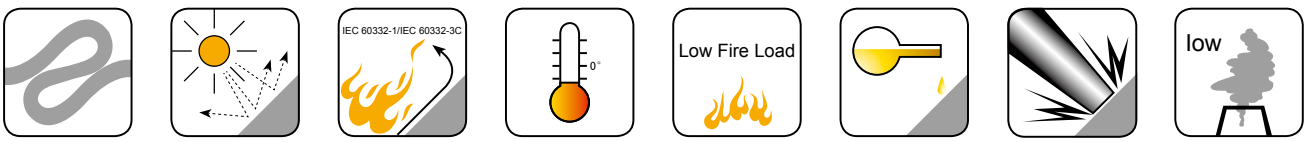
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

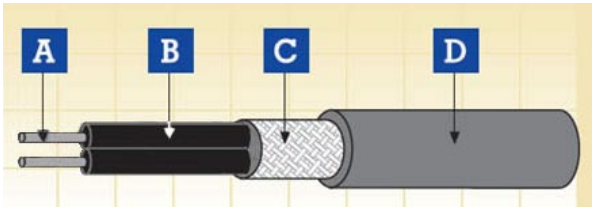
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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

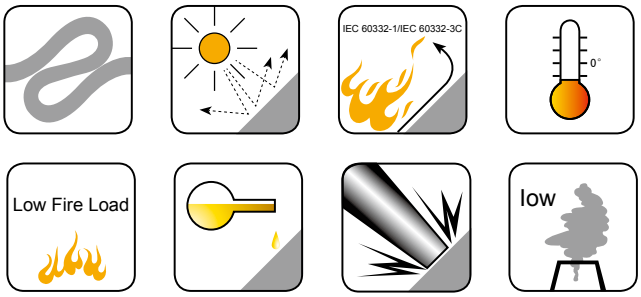


RSE/STD/024 Part 6 Types VIII Rolling Stock Cables
30/50V Multipair Screened Standard Wall Cables



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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

Fire Performance for rolling stock application

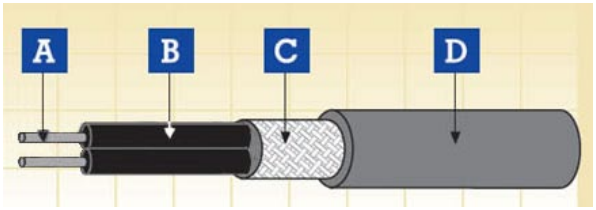
EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of Pair	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 Types IX Rolling Stock Cables
30/50V Multipair Reduced Wall Screened Cables

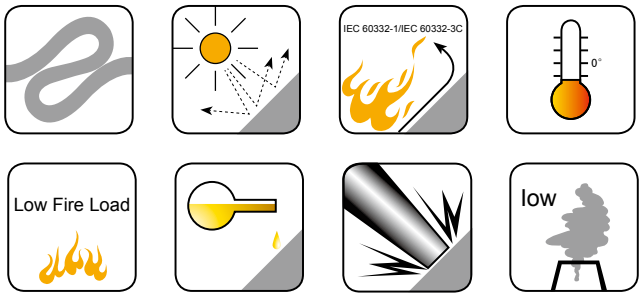


A.Conductor B.Insulation C.Screen D.Sheath

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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

Fire Performance for rolling stock application

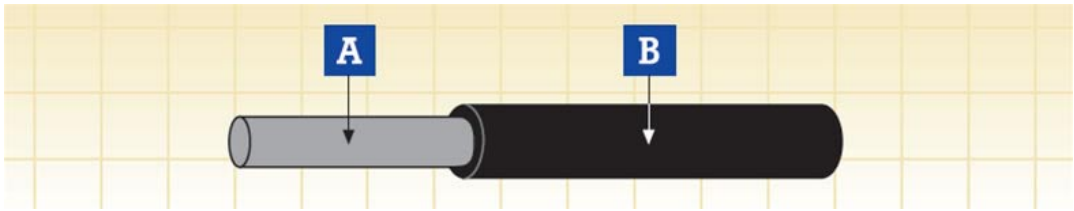
EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of pair	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 Types XII Rolling Stock Cables
300/500V Multicore 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

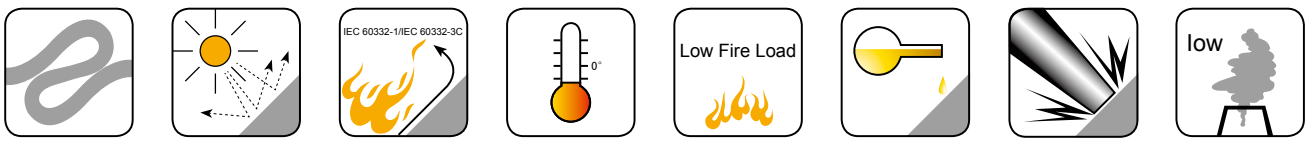
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

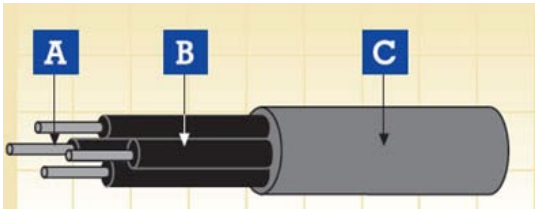
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

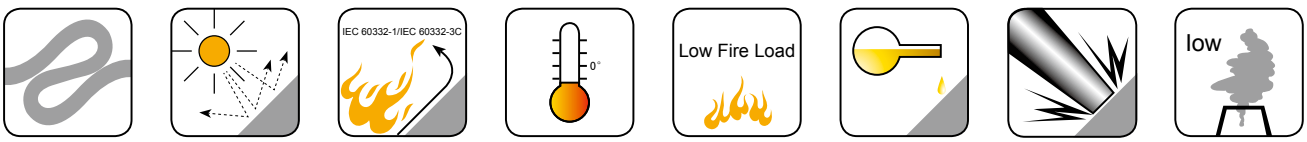
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

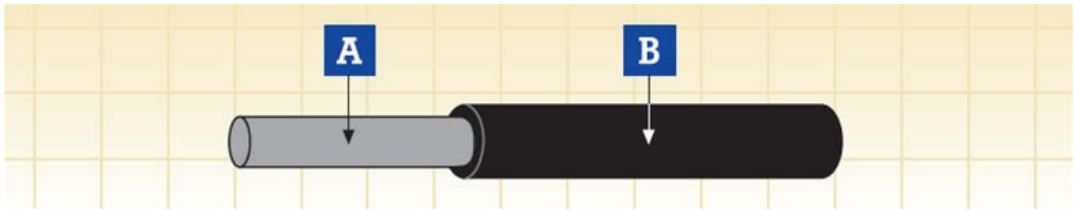
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 Types I Rolling Stock Cables
600/1000V Multicore 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

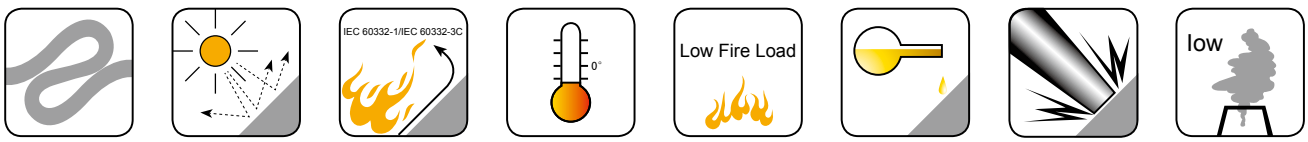
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

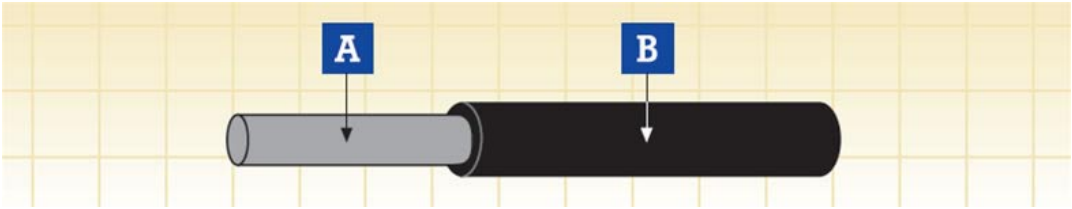
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 Types II Rolling Stock Cables
600/1000V Multicore 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

Fire Performance for rolling stock application

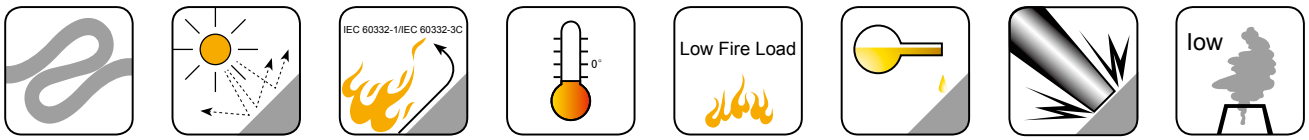
EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

Fire Performance in general

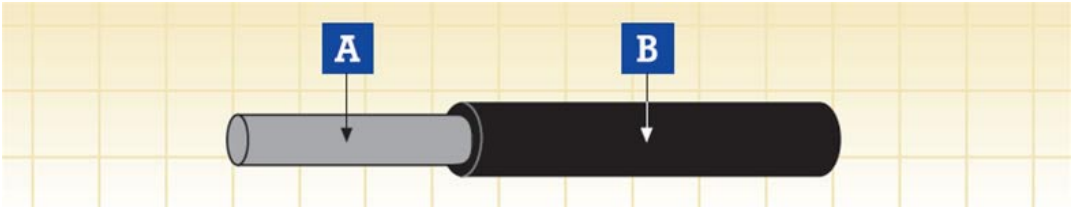
EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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

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 Types III Rolling Stock Cables
600/1000V Multicore 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

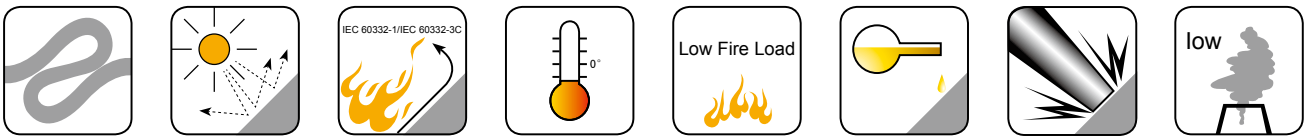
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

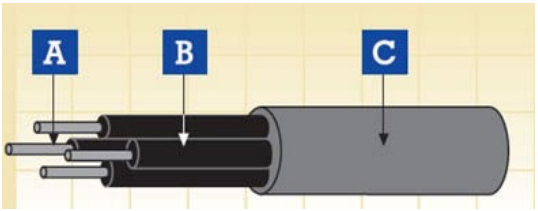
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 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	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

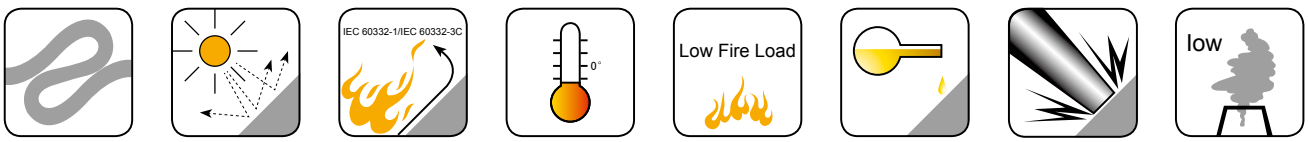
Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

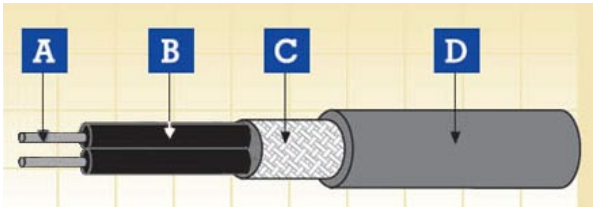
Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of core	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	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 Types XI Rolling Stock Cables 600/1000V Singlepair 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 EPR rubbe type EM 107

Chemical & Environmental Properties

EN 60684-2	No fluorine
EN 50305; EN 60811-2-1	Resistance to oil & fuel
EN 50305	Resistance to ozone

Fire Performance for rolling stock application

EN 50306-2	Hazard levels HL1, HL2/HL3, HL4
DIN 5510-2	Protection level 1/2/3/4
BS 6853	Interior use 1a, 1b, II; Exterior use 1a, 1b, II
NF F 16-101	FO

Fire Performance in general

EN 50265-2-1; IEC 60332-1; BS 4066-1	Vertical flame propogation for a single insulated wire/cable
EN 50266-2-4 + EN 50305; IEC 60332-3C; VDE 0472 Teil 804; BS 4066-3; NFC 32070	Fire propagation of bunched wires and cables
EN 50268-2; IEC 61034-2; VDE 0472 Teil 816	Smoke density
EN 50267-2-1; IEC 60754-1; VDE 0472 Teil 815	Halogen Free
EN 50267-2-2/3; IEC 60754-2; VDE 0472 Teil 813	Corrosivity of gases (Acidity & Conductivity)
EN 50305; NFX 70-100; NFF 63808; TM1-04; BS6853	Toxicity index
NFF 16101; NFF 63808; BS6853	Smoke index

No.of Pair	Nominal Cross Sectional Area	Nominal Diameter of Strands	Nominal Overall Diameter	Nominal Weight	Maximum Conductor Resistance@20℃
	mm²	No/mm	mm	kg/km	Ω/km
1	1.0	37/0.18	7.3	76	20.0