RAILWAY RUBBER CABLE

POINT HEATING CABLES

300/500 V

CABLE STRUCTURE

* ***CONDUCTOR*** *: Electrolytic annealed, class 5 stranded tinned copper wires*
* ***INSULATION*** *: GP4 Type elastomer compound*
* ***SHEATH*** *: EM2 Type elastomer compound*
* ***COLOR*** *: Black (other colors on request)*

DESIGN FEATURES: CONSTRUCTION : NR/SP/ELP/40045 ,
ELECTRICAL TESTS : BS EN 50395
NON-ELECTRICAL TESTS : BS EN 50396
OPERATING CHARACTERISTICS
CONDUCTOR OPERATING TEMPERATURE : Max. 90oC
CONDUCTOR SHORT-CIRCUIT TEMPERATURE : Max. 200oC
WORKING TEMPERATURE : Fixed : -30oC ··· +70oC , Mobile : -10oC ··· +55oC
MIN BENDING RADIUS : 7,5xD
FLAME RETARDANT : BS EN 60332-1-2
APPLICATION : These cables are designed for power distribution in points heating system.
SAFETY: It's flame retardant and self extinguishes during fire, It consist low grade smoke and corrosive gases.

NO.CONDUCTORS X CROSS -SECTION (mm^2)	*OUTER DIAMETER* Min.-Max. (mm)	*COPPER FACTOR* (kg / km)	*CABLE WEIGHT* (kg / km)
4x1,5	13,8 - 14,3	57,6	267
4x2,5	16,0 - 16,5	96	374
4x4	18,0 - 18,5	153,6	494
8x1,5	17,9 - 18,5	115,2	439
8x2,5	21,0 - 21,8	192	627
8x4	22,6 - 23,6	307,2	773
8x6	24,5 - 25,5	460,8	956

CROSS -SECTION (mm^2)	*MAX. COND. RESISTANCE* (Ohm/km) @ 20°C {D.C.}
1,5	13,7
2,5	8,21
4	5,09
6	3,39

ROMCABLU **SC. ROM CABLU SRL.**

RAILWAY RUBBER CABLE

SIGNALLING CABLE

650/1100 V

ROMCABLU SIGNALLING CABLE

CABLE STRUCTURE

* ***CONDUCTOR** : Electrolytic annealed, class 2 stranded tinned copper wires*
* ***INSULATION** : LSZH type elastomer compound for A1, A2 and A3 Types, GP4 type elastomer compound for other types*
* ***SCREEN** : Collective screened with AL-PET Foil and Drain wire (Only C3 and E3 Types)*
* ***SHEATH** : RS2 type elastomer compound for B1, B2, C1, C2 and C3 Types, LSZH type elastomer compound for other types*
* ***COLOR** : Black (other colors on request)*

DESIGN FEATURES : CONSTRUCTION : NR/PS/SIG/0005 , **ELECTRICAL TESTS :** BS EN 50395 ,**NON-ELECTRICAL TESTS :** BS EN 50396
CONDUCTOR OPERATING TEMPERATURE : Max. 60oC , **CONDUCTOR SHORT-CIRCUIT TEMPERATURE :** Max. 200oC ,
WORKING TEMPERATURE : Fixed : -25oC ··· +85oC , **FLAME RETARDANT :** BS EN 60332-1-2
APPLICATION : These cables are designed for use in remote operation of trackside signalling system.
SAFETY: It's flame retardant and self extinguishes during fire.

NO.CONDUCTORS X CROSS-SECTION (mm^2)	TYPE	OUTER DIAMETER Approx. (mm)	COPPER FACTOR (kg / km)	CABLE WEIGHT (kg / km)
1x0,75	A1	2,9	7,2	16
1x1,15	A1	3,2	11,04	20
1x0,75	A2	4,5	7,2	30
1x1,15	A2	4,7	11,04	35
2x0,75	A3	8,1	14,4	67
4x0,75	A3	9,5	28,8	108
6x0,75	A3	11,5	43,2	160
10x0,75	A3	13,8	72	259
14x0,75	A3	15,1	100,8	495
36x0,75	A3	21,9	259,2	752
1x10	B1	10,5	96	205
1x35	B1	14,6	336	495
2x1,5	B2	10,9	28,8	135
2x2,5	B2	11,93	48	170
2x10	B2	17	192	443
2x35	B2	25,8	672	1232
2x70	B2	32,8	1344	2043
2x95	B2	38,1	1824	2945
10x0,75	B2	15,6	72	280
10x1,5	B2	17,7	144	401
12x0,75	B2	16,2	86,4	321
12x1,5	B2	17,3	172,8	410
19x0,75	B2	17,4	136,8	425
19x1,5	B2	19,9	273,6	615
19x2,5	B2	22	456	815
27x0,75	B2	22,5	194,4	606
27x1,5	B2	24,09	388,8	897
27x2,5	B2	26,5	648	1200
37x0,75	B2	25,3	266,4	786
37x1,5	B2	27,9	532,8	1126
37x2,5	B2	29,8	888	1600
48x0,75	B2	28,9	345,6	972
48x1,5	B2	32,5	691,2	1280
48x2,5	B2	35,1	1152	2010
6P0,75	B2	22,2	43,2	470
1x2,5	C1	11,7	24	174
2x2,5	C2	16,8	48	342
4x2,5	C2	18,6	96	445
7x2,5	C2	21,2	168	590
10x2,5	C2	25,5	240	784
12x2,5	C2	26,2	288	868
1P2,5	C3	16,6	28,8	250
1x10	D1	10,5	96	205
1x35	D1	14,6	336	495
2x1,5	D2	10,9	28,8	135
2x2,5	D2	11,93	48	170
2x10	D2	17	192	443
2x16	D2	18,8	307,2	630
2x35	D2	25,8	672	1232
2x70	D2	32,8	1344	2043
2x95	D2	38,1	1824	2945
10x0,75	D2	15,6	72	280
10x1,5	D2	17,7	144	401
12x0,75	D2	16,2	86,4	321
12x1,5	D2	17,3	172,8	410
19x0,75	D2	17,4	136,8	425
19x1,5	D2	19,9	273,6	615
19x2,5	D2	22	456	815
27x0,75	D2	22,5	194,4	606
27x1,5	D2	24,09	388,8	897
27x2,5	D2	26,5	648	1200
37x0,75	D2	25,3	266,4	786
37x1,5	D2	27,9	532,8	1126
37x2,5	D2	29,8	888	1600

UNT-RAIL POWER

CABLE STRUCTURE

* CONDUCTOR	: Electrolytic bare annealed copper wire
* INSULATION	: XLPE
* POLYESTER TAPE SEPERATOR	
* INNER SHEATH	: Polyethylene
* METALIC SHIELD	: Galvanised steel metal strips with a minimum thickness of 0,500 mm ±10%. metal strips shall be wrapped around the commoncasing in two folds helicoidally by remaining a gap between adjacent strips at most equal to 20 percent of the strip width.
* OUTER SHEATH	: Polyethylene (PE)
* OUTER SHEATH COLOR	: Black
* STANDARDS OF DESIGN	: According to specification of TCDD plastic insulated energy and singnalling cables specification.

OPERATING CHARACTERISTICS

CONDUCTOR OPERATING TEMPERATURE	: Min.-40 - Max.+70°C
RATED VOLTAGE	: 06/1 kV
TEST VOLTAGE	: 3,5 kV

UNT-RAIL SIGN

CABLE STRUCTURE

* CONDUCTOR	: Electrolytic bare annealed copper wire
* INSULATION	: XLPE
* SELF WRAPPING TAPE	: Non - hygroscopic tape with minimum width of 0,2 mm and PVC based filling material.
* METALIC SCREEN	: A copper plate with a minimum thickness of 0,2 mm shall be wrapped around the common casing in two folds helicoidally by remaining a gap between adjacent strips at most equal to 20 percent of the strip width.
* INNER SHEATH	: Polyethylene
* METALIC SHIELD	: Galvanised steel metal strips with a minimum thickness of 0,500 mm ±10%. metal strips shall be wrapped around the commoncasing in two folds helicoidally by remaining a gap between adjacent strips at most equal to 20 percent of the strip width.
* OUTER SHEATH	: Polyethylene (PE)
* OUTER SHEATH COLOR	: Black
* STANDARDS OF DESIGN	: According to specification of TCDD plastic insulated energy and singnalling cables specification.

OPERATING CHARACTERISTICS

CONDUCTOR OPERATING TEMPERATURE	: Min.-40 - Max.+70°C
RATED VOLTAGE	: 06/1 kV
TEST VOLTAGE	: 3,5 kV

UNT-RAIL FIRE POWER

UNT-RAIL FIRE POWER (N2XBH - FE 180)

HALOGEN FREE AND FIRE RESISTANCE ARMOURED POWER AND SIGNALLING CABLES

CABLE STRUCTURE

* CONDUCTOR	: Single or multi wire annealed bare copper
* FIRE RESISTANT LAYER	: Special mika tape applied on conductors for fire resistancy up to minimum 180 minutes
* INSULATION	: Cross linked polymer - XLPE
* INNER SHEATH	: LSOH polymer
* METALIC SHIELD	: Galvanised steel metal strips with a minimum thickness of 0,300 mm+10%. metal strips shall be wrapped around the commoncasing in two folds helicoidally by remaining a gap between adjacent strips at most equal to 20 percent of the strip width.
* OUTER SHEATH	: Flame reterdant LSOH polymer
* OUTER SHEATH COLOR	: Black (It could be orange or any other color)
* CABLE STANDART	: IEC 60502 - 1

OPERATING CHARACTERISTICS

CONDUCTOR OPERATING TEMPERATURE	: Min.-40 - Max.+70°C
RATED VOLTAGE	: 06/1 kV
TEST VOLTAGE	: 3,5 kV
HALOGEN FREE PROPER	: IEC 60754-2
CONDUCTIVITY	: IEC 60754-1
FLAME RETERDANCY	: IEC 60332-3
LOW SMOKE EMISSION	: IEC 61034-2
FUNCTIONALITY AT FIRE	: 750-800 °C 180 IEC 60331