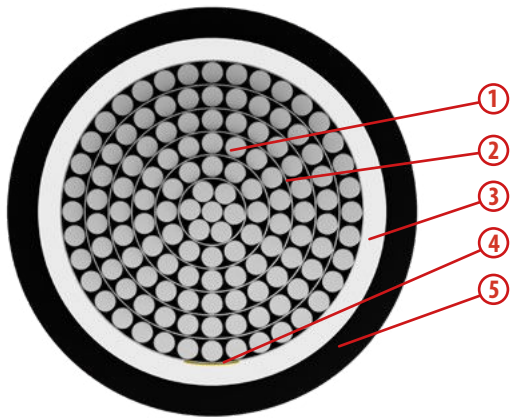


750V & 1500V DC TRACTION POWER CABLE

TRATOS-RAILWAYS® SINGLE CORE DUAL LAYER RUBBER INSULATED & SHEATHED

NETWORK RAIL NR/L2/ELP/23002/02

IMAGE - GENERAL CONSTRUCTION



- 1) Conductor
- 2) Water blocking tape
- 3) Insulation covering
- 4) Identification tape
- 5) Sheath

COMPONENTS

Conductor	Stranded aluminium, Class 2, BS EN 602228
Water blocking tape	Water swellable polyester, non woven fabric tapes.
Insulation covering	Rubber G4 type
Identification tape	Property of Network Rail
Sheath	Rubber type RS4
Cable sheath marking (printed)	TRATOS + ELECTRIC POWER CABLE + NR/L2/ELP/23002/MODULE2 + PROPERTY OF NETWORK RAIL + YEAR/BATCH + VOLTAGE GRADE + CSA/MM ²



Network Rail Full Certificate
of Acceptance PA05/07386

TRATOS-RAILWAYS® SINGLE CORE DUAL LAYER RUBBER INSULATED & SHEATHED

CONDUCTOR X SINGLE CORE						
Nominal cross section	mm ²	150	240	500	800	1000
Tratos code		212981	212980	212979	212978	212977
PADS catalogue number		0086/002676	0086/002674	0086/002668	0086/002664	0086/002662
Code		Stranded circular non compacted aluminium class 2				
Conductor formation	mm	37/2.25	61/2.25	61/3.2	127/2.85	127/3.2
Nominal diameter	mm	16.5	21.3	29.8	38.2	42.6
Water blocking tape		Water blocking conductors with swellable polyester, non woven fabric tapes				
Maximum resistance at 20°C	Ω/km	0.206	0.125	0.0605	0.0367	0.0291
Identification tape		Internal marker tape, Property of Network Rail + Tratos + Year				
Insulation material		Ethylene Propylene Rubber (EPR) type GP5				
Nominal thickness	mm	1.0	1.4	2.0	2.0	2.0
Outer sheath material		Heavy duty oil resistant and flame retardant rubber type RS4. Minimum tear resistance of 7.5N/mm				
Nominal thickness	mm	2.0	4.0	5.7	5.7	5.7
Nominal outer diameter	mm	22.5	32.1	45.2	53.6	58.0
Maximum outer diameter	mm	24.5	34.1	50.0	59.0	63.0
Nominal weight	kg/metre	740	1430	3030	4040	4980
Minimum bending Radius	mm	10 x Nominal outer diameter of the cable.				

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