



- 1 – Flexible tinned copper core – class 6 - IEC 60228
- 2 – Separating tape (optional)
- 3 – Silicone rubber insulation with high mechanical properties – type EI111 as per EN 50382-1
- 4 – Tinned copper braid
- 5 – Silicone rubber sheath with high mechanical properties – type EM107 as per EN 50382-1

In some cases, a separating tape may be applied between 2 successive layers, upon production requirements.

Reference : SILICABLE® RW DTREN 150068 EN 50382-2 1800V FFXS 120°C

Marking : DTREN 150068 EN 50382-2 1800V 1x<cross-section> FFXS 120°C - OMERIN 369 - <batch>
<week> <year>

Specification : DTREN150068 ind A0

Construction details : See table page 2

Technical data :

Thermal :	Continuous working temperature of cable	: -40°C at + 120°C
Electrical :	Working voltage as per EN 50382-2	: 1.8 / 3 kV
	Test voltage as per EN 50382-2	: 6.5 kV a.c
Mechanical :	Alternated flexion resistance	: Good
	Bending radius as per EN 50355	: 10 x D
Chemical :	Chemical atmosphere resistance	: Good
	Humidity resistance	: Good
	Oil resistance	: Good
Fire-smoke :	Fire classification according to EN 45545-2	: R16 HL3

The information provided in this technical data sheet is indicative. Laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

For this product, please contact :

A0853xx1b_gb, created on 2024/01/24 by DURET, approved on 2024/01/25 by MATHEVON

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ALSTOM reference	OMERIN reference	Cross section mm ²	Nominal stranding CuSn	Nominal thickness of insulation mm	Minimal insulation diameter mm	Maximal insulation diameter mm	Nominal strands diameter of braid mm	Nominal thickness of sheath mm	Minimal outer diameter mm	Maximal outer diameter mm	Maximum linear resistance at 20°C Ω/km
DTR0000575319	A0853001	25	798/0.2	1.8	10.1	11.1	0.20	1.4	14.0	15.3	0.795
DTR0000575320	A0853002	50	740/0.3	1.8	12.5	13.9	0.20	1.4	16.6	18.6	0.393
DTR0000575321	A0853003	70	1036/0.3	1.8	14.5	15.9	0.20	1.5	18.5	20.7	0.277
DTR0000551401	A0853004	95	1369/0.3	2.2	16.7	18.3	0.20	1.5	20.7	23.2	0.210
DTR0000575797	A0853005	120	1776/0.3	2.2	18.1	19.9	0.20	1.6	22.3	25	0.164
DTR0000575322	A0853006	150	2220/0.3	2.2	20.8	22.7	0.20	1.6	24.9	27.9	0.132
To be created	A0853007	185	2738/0.3	2.4	22.3	24.4	0.20	1.7	27.1	30.3	0.108
To be created	A0853008	240	3552/0.3	2.4	25.3	27.6	0.30	1.8	30.3	33.8	0.0817

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