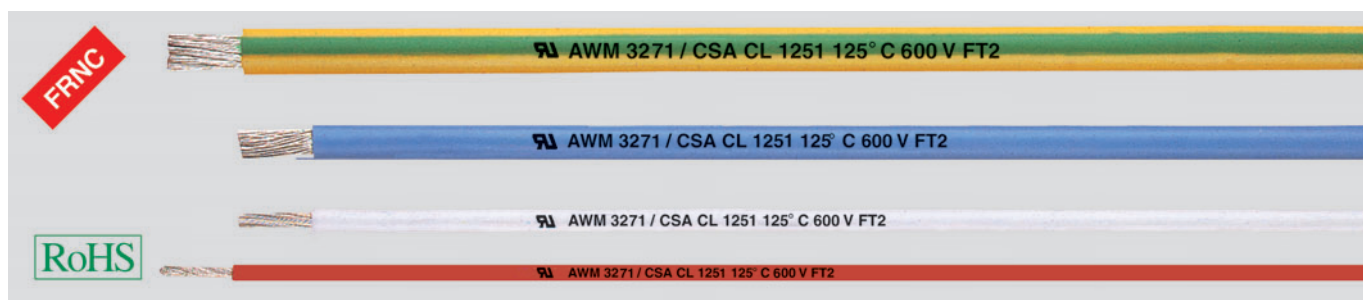




Technical data

- Halogen-free single cores with increased heat resistance according to **UL Style 3271 CSA CL 1251**
- **Temperature range**
flexing -35 °C to +120 °C
fixed installation -55 °C to +125 °C
in short circuit +280 °C
- **Nominal voltage** U 600 V
- **Test voltage** 3500 V
- **Minimum bending radius**
flexing approx. 12,5x core Ø
fixed installation approx. 4x core Ø
- **Caloric load values**
see Technical Informations
- **Power ratings table**
see Technical Informations

Cable structure

- Tinned Cu wires, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Core insulation of polyolefin-copolymer, cross-linked, flame retardant, halogen-free
- Core colours see table below
- **Tests**
Flame test to VDE 0482 Teil 266-2, BS 4066 part 3/ DIN EN 50266-2/ IEC 60332-3 (equivalent DIN VDE 0472 part 804 test method C)
Corrosiveness of combustion gases according to VDE 0482 part 267/ DIN EN 50267-2-2/ IEC 60754-2 (equivalent DIN VDE 0472 part 813)
Halogen-free according to VDE 0482 part 267/ DIN EN 50267-2-1/ IEC 60754-1 (equivalent DIN VDE 0472 part 815)
Smoke density to VDE 0482 part 1034-1+2/ IEC 61034-1+2 / DIN EN 61034-1+2 / BS 7622 part 1+2 (equivalent DIN VDE 0472 part 816)

Properties

- Halogen-free
- Lower propagation of fire
- Low development of smoke and fumes
- Good abrasion and notch resistance
- Good resistance to oils and weathering
- Resistant to UV radiation and ozone
- Resistant to soldering temperatures
- Resistant to melting, even when in contact with a soldering iron at temperatures of between 300 °C and 380 °C, because of the cross-linking for the insulation material
- Due to the high temperature profile the cross-section of conductor can under certain circumstances be reduced, hereby enabling a saving in space requirement and weight
- The materials in manufacture are cadmium-free + contain no silicone + free from substances harmful to the wetting properties of lacquers

Application

These temperature resistant single-core cables are used for the internal wiring of lighting fixtures, heaters, electrical machinery, switching systems and distributors in equipment and plant and machinery, suitable for installation on, in and beneath plaster, in closed installation ducts, as well as for traffic systems and outdoor applications. These cables are not approved for direct routing on racks, gutters or tanks. For a protected installation, these cables may be used at a nominal voltage of up to 1000 V alternating current or a direct current up to 750 V when earthed. The maximum operating d.c. voltage used in rail vehicles shall not exceed 900 V when earthed.

CE The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Cross-section mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	black	brown	red	white	grey	vio	green	Beige	pink	lt-bu	og	ye	gn-ye	2-col.
approx. RAL				9005	8003	3000	1013	7000	4005	6018	1001	3015	5015	2003	1021	6018	-
Part no.				59473	59475	59476	59477	59478	59479	59482	59484	59483	59474	59481	59480	59472	59485
0,25	2,3	2,4	7,0														
Part no.				59487	59489	59490	59491	59492	59493	59496	59498	59497	59488	59495	59494	59486	59499
0,5	2,6	4,8	11,0														
Part no.				59501	59503	59504	59505	59506	59507	59510	59512	59511	59502	59509	59508	59500	59513
0,75	2,8	7,2	14,0														
Part no.				59515	59517	59518	59519	59520	59521	59524	59526	59525	59516	59523	59522	59514	59527
1	2,9	9,6	17,0														
Part no.				59529	59531	59532	59533	59534	59535	59538	59540	59539	59530	59537	59536	59528	59541
1,5	3,2	14,4	22,0														
Part no.				59543	59545	59546	59547	59548	59549	59552	59554	59553	59544	59551	59550	59542	59555
2,5	3,7	24,0	33,0														
Part no.				59557	59559	59560	59561	59562	59563	59566	59568	59567	59558	59565	59564	59556	59569
4	4,2	38,4	53,0														
Part no.				59571	59573	59574	59575	59576	59577	59580	59582	59581	59572	59579	59578	59570	59583
6	4,8	57,6	78,0														
Part no.				59585	59587	59588	59589	59590	59591	59594	59596	59595	59586	59593	59592	59584	59597
10	6,7	96,0	136,0														
Part no.				59599	59601	59602	59603	59604	59605	59608	59610	59609	59600	59607	59606	59598	59611
16	8,5	154,0	203,0														
Part no.				59613	59615	59616	59617	59618	59619	59622	59624	59623	59614	59621	59620	59612	59625
25	10,4	240,0	300,0														
Part no.				59627	59629	59630	59631	59632	59633	59636	59638	59637	59628	59635	59634	59626	59639
35	11,5	336,0	405,0														
Part no.				59641	59643	59644	59645	59646	59647	59650	59652	59651	59642	59649	59648	59640	59653
50	14,4	480,0	580,0														

Dimensions and specifications may be changed without prior notice. (RN06)