



Info

- Fire test certified and approved to BS 6387 Cat. CWZ
- Approved to SS 299 PLS Class 1A
- Instrumentation cable, 300/500 V

FR-6387 OS

Fire Resistant cables with Overall Screen

LAPP KABEL FR-6387 OS 1x2x1.5 300/500V BS6387 CWZ TUV SUD PSB LISTED SS299-1 LIC 00273

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Application range

- Specially designed to be used for wiring applications in critical life safety system in public and industrial buildings such as airports, hotels, hospitals, subways, train stations, etc.
- In building management systems, emergency lightings, standby power supplies, lifts and elevators
- Plant engineering and construction, industrial machinery, power station

Product features

- Flame retardant acc. to IEC 60332-1-2 and to IEC 60332-3-22
- Halogen free acc. to IEC 60754-1
- Acid and corrosive gases acc. to IEC 60754-2
- Smoke density test acc. to IEC 61034

Approvals (Norm references)



- Fire test certified and approved to BS 6387 Cat. CWZ
- Approved to SS 299 PLS Class 1A
- Approved to IEC 60332-3-22 Cat. A

Product Make-up

- Stranded plain annealed copper wire
- Mica based fire resistance tape
- XLPE insulation
- Mylar tape wrapping
- Aluminium/mylar tape screen in contact with drain wire
- LSHF outer sheath
- Colour: orange

Technical data



Core identification code

Pair: BK/RD or BU/BN

Multipair: BK/WH with numbering

Multicore: 3C and above WH with numbering



Approvals

BS 6387 Cat. CWZ, SS 299-1 PLS Class 1A



Conductor stranding

acc. to IEC 60228 Cl. 2



Minimum bending radius

10 x cable diameter



Nominal voltage

U₀/U: 300/500 V

Test voltage

2000 V, Core-Core



Temperature range

-30 °C to +90 °C

Article number	Number of pairs/conductor cross section (mm ²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
Pair / Multipair					
3805860	1 x 2 x 1	7.8	BK/RD	24.0	75
3805861	1 x 2 x 1	7.8	BU/BN	24.0	75
3805862	2 x 2 x 1	11.4	WH/BK	43.2	132
3805863	3 x 2 x 1	13.0	WH/BK	62.4	172
3805864	4 x 2 x 1	14.8	WH/BK	81.6	218
3805865	6 x 2 x 1	17.8	WH/BK	120.0	310
3805866	8 x 2 x 1	20.3	WH/BK	158.4	406
3805867	10 x 2 x 1	22.5	WH/BK	196.8	492
3805868	12 x 2 x 1	24.5	WH/BK	235.2	574
3805869	15 x 2 x 1	27.2	WH/BK	292.8	711
3805870	20 x 2 x 1	31.1	WH/BK	388.8	925
3805871	24 x 2 x 1	34.0	WH/BK	465.6	1094
3805872	30 x 2 x 1	37.8	WH/BK	580.8	1342
3805873	36 x 2 x 1	41.2	WH/BK	696.0	1599
3805880	1 x 2 x 1.5	8.4	BK/RD	33.6	89
3805881	1 x 2 x 1.5	8.4	BU/BN	33.6	89
3805882	2 x 2 x 1.5	12.3	WH/BK	62.4	163
3805883	3 x 2 x 1.5	14.2	WH/BK	91.2	216
3805884	4 x 2 x 1.5	16.1	WH/BK	120.0	277
3805885	6 x 2 x 1.5	19.4	WH/BK	177.6	396
3805886	8 x 2 x 1.5	22.1	WH/BK	235.2	520
3805887	10 x 2 x 1.5	24.6	WH/BK	292.8	634
3805888	12 x 2 x 1.5	26.8	WH/BK	350.4	743
3805889	15 x 2 x 1.5	29.7	WH/BK	436.8	921
3805890	20 x 2 x 1.5	34.1	WH/BK	580.8	1203
3805891	24 x 2 x 1.5	37.2	WH/BK	696.0	1426
3805892	30 x 2 x 1.5	41.4	WH/BK	868.8	1756
3805893	36 x 2 x 1.5	45.2	WH/BK	1,041.6	2094
3805900	1 x 2 x 2.5	10.3	BK/RD	52.8	123
3805901	1 x 2 x 2.5	10.3	BU/BN	52.8	123
3805902	2 x 2 x 2.5	14.7	WH/BK	100.8	231
3805903	3 x 2 x 2.5	17.0	WH/BK	148.8	314
3805904	4 x 2 x 2.5	19.4	WH/BK	196.8	405
3805905	6 x 2 x 2.5	23.4	WH/BK	292.8	585
3805906	8 x 2 x 2.5	26.8	WH/BK	388.8	768
3805907	10 x 2 x 2.5	29.7	WH/BK	484.8	942
3805908	12 x 2 x 2.5	32.4	WH/BK	580.8	1111
3805909	15 x 2 x 2.5	36.1	WH/BK	724.8	1378
3805910	20 x 2 x 2.5	41.4	WH/BK	964.8	1809
3805911	24 x 2 x 2.5	45.2	WH/BK	1,156.8	2150
3805912	30 x 2 x 2.5	50.3	WH/BK	1,444.8	2656
3805913	36 x 2 x 2.5	55.0	WH/BK	1,732.8	3171
Multicore					
3805921	2 x 1	7.8	BK/RD	24.0	75
3805922	2 x 1	7.8	BU/BN	24.0	75
3805923	3 x 1	8.6	WH	33.6	93
3805924	4 x 1	9.4	WH	43.2	113
3805925	5 x 1	10.3	WH	52.8	140

Article number	Number of pairs/conductor cross section (mm ²)	Outer diameter (mm)	Colour	Copper index (kg/km)	Weight (kg/km)
3805926	7 x 1	11.3	WH	72.0	175
3805927	8 x 1	12.8	WH	81.6	204
3805928	10 x 1	14.5	WH	100.8	253
3805929	12 x 1	15.1	WH	120.0	285
3805930	14 x 1	15.9	WH	139.2	324
3805931	16 x 1	16.8	WH	158.4	370
3805932	19 x 1	17.8	WH	187.2	422
3805933	24 x 1	21.0	WH	235.2	540
3805934	27 x 1	21.5	WH	264.0	589
3805935	30 x 1	22.4	WH	292.8	646
3805936	33 x 1	23.3	WH	321.6	710
3805937	37 x 1	24.3	WH	360.0	780
3805938	61 x 1	30.7	WH	590.4	1250
3805941	2 x 1.5	8.4	BK/RD	33.6	89
3805942	2 x 1.5	8.4	BU/BN	33.6	89
3805943	3 x 1.5	9.3	WH	48.0	114
3805944	4 x 1.5	10.2	WH	62.4	142
3805945	5 x 1.5	11.2	WH	76.8	177
3805946	7 x 1.5	12.3	WH	105.6	223
3805947	8 x 1.5	13.9	WH	120.0	260
3805948	10 x 1.5	15.8	WH	148.8	323
3805949	12 x 1.5	16.4	WH	177.6	367
3805950	14 x 1.5	17.3	WH	206.4	419
3805951	16 x 1.5	18.3	WH	235.2	479
3805952	19 x 1.5	19.4	WH	278.4	549
3805953	24 x 1.5	23.0	WH	350.4	697
3805954	27 x 1.5	23.5	WH	393.6	769
3805955	30 x 1.5	24.4	WH	436.8	846
3805956	33 x 1.5	25.5	WH	480.0	930
3805957	37 x 1.5	26.5	WH	537.6	1025
3805958	61 x 1.5	33.7	WH	883.2	1650
3805961	2 x 2.5	10.3	BK/RD	52.8	123
3805962	2 x 2.5	10.3	BU/BN	52.8	123
3805963	3 x 2.5	11.0	WH	76.8	162
3805964	4 x 2.5	12.1	WH	100.8	204
3805965	5 x 2.5	13.4	WH	124.8	257
3805966	7 x 2.5	14.7	WH	172.8	327
3805967	8 x 2.5	16.6	WH	196.8	381
3805968	10 x 2.5	19.0	WH	244.8	474
3805969	12 x 2.5	19.7	WH	292.8	545
3805970	14 x 2.5	20.8	WH	340.8	624
3805971	16 x 2.5	22.1	WH	388.8	715
3805972	19 x 2.5	23.4	WH	460.8	823
3805973	24 x 2.5	27.8	WH	580.8	1051
3805974	27 x 2.5	28.4	WH	652.8	1158
3805975	30 x 2.5	29.6	WH	724.8	1275
3805976	33 x 2.5	30.8	WH	796.8	1403
3805977	37 x 2.5	32.1	WH	892.8	1549
3805978	61 x 2.5	40.8	WH	1,468.8	2506

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products.