

High Temperature Cables

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DEF 61-12 Part 18 Type 1 “LFH” Equipment Wires

120°C, 600V



Application

For internal wiring of electronic and other equipment. Incorporates LFH (Limited Fire Hazard) insulation for reduced levels of smoke and toxic fumes in the event of a fire.

Specifications

- In accordance with DEF 61-12 Part 18.
- **Conductors:** Solid or stranded tinned copper conductors to BS 2G 231.
- **Insulation:** Thin-wall LFH insulation to DEF 61-12 Part 18 for Category 1 equipment wire displaying following characteristics:
Oxygen index: 30% minimum.
Temperature index: 250°C minimum.
HCL emission @ 800°C: 0.5% maximum.
Toxicity index: \leq 0.2.
- Flame retardant to BS 3G 230.
- **Temperature Rating:** 120°C maximum conductor operating temperature.
- **Voltage Rating:** 600V a.c./800V d.c.

DEF 61-12 Part 18 Type 1 “LFH” Equipment Wires

120°C, 600V

N.S.N. 6145-99-891-	Anixter Number A10DW-891-	Colour	Cond Size AWG	Nominal Cond Area mm ²	Nominal Cond Stranding #/mm	Thickness of Insulation mm	Minimum O/D mm	Maximum O/D mm	Approx Cable Weight kgs/km
9431	9431	Red	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9432	9432	Blue	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9433	9433	Green	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9434	9434	Yellow	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9435	9435	Black	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9436	9436	White	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9437	9437	Brown	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9438	9438	Violet	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9439	9439	Orange	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9440	9440	Grey	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9441	9441	Pink	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9442	9442	Green/Yellow	30	0.05	1/0.25	0.20	0.55	0.70	0.92
9443	9443	Red	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9444	9444	Blue	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9445	9445	Green	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9446	9446	Yellow	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9447	9447	Black	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9448	9448	White	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9449	9449	Brown	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9450	9450	Violet	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9451	9451	Orange	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9452	9452	Grey	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9453	9453	Pink	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9454	9454	Green/Yellow	26	0.12	1/0.40	0.20	0.70	0.85	2.0
9455	9455	Red	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9456	9456	Blue	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9457	9457	Green	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9458	9458	Yellow	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9459	9459	Black	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9460	9460	White	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9461	9461	Brown	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9462	9462	Violet	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9463	9463	Orange	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9464	9464	Grey	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9465	9465	Pink	23	0.28	1/0.60	0.20	0.90	1.05	3.95
9466	9466	Green/Yellow	23	0.28	1/0.60	0.20	0.90	1.05	3.95

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DEF 61-12 Part 18 Type 1 "LFH" Equipment Wires

120°C, 600V

N.S.N. 6145-99-891-	Anixter Number A10DW-891-	Colour	Cond Size AWG	Nominal Cond Area mm ²	Nominal Cond Stranding #/mm	Thickness of Insulation mm	Minimum O/D mm	Maximum O/D mm	Approx Cable Weight kgs/km
9467	9467	Red	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9468	9468	Blue	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9469	9469	Green	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9470	9470	Yellow	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9471	9471	Black	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9472	9472	White	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9473	9473	Brown	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9474	9474	Violet	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9475	9475	Orange	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9476	9476	Grey	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9477	9477	Pink	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9478	9478	Green/Yellow	19	0.63	1/0.90	0.20	1.20	1.35	7.9
9479	9479	Red	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9480	9480	Blue	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9481	9481	Green	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9482	9482	Yellow	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9483	9483	Black	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9484	9484	White	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9485	9485	Brown	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9486	9486	Violet	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9487	9487	Orange	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9488	9488	Grey	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9489	9489	Pink	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9490	9490	Green/Yellow	30	0.055	7/0.10	0.20	0.60	0.75	1.1
9491	9491	Red	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9492	9492	Blue	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9493	9493	Green	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9494	9494	Yellow	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9495	9495	Black	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9496	9496	White	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9497	9497	Brown	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9498	9498	Violet	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9499	9499	Orange	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9500	9500	Grey	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9501	9501	Pink	28	0.079	7/0.12	0.20	0.65	0.80	1.5
9502	9502	Green/Yellow	28	0.079	7/0.12	0.20	0.65	0.80	1.5

DEF 61-12 Part 18 Type 1 “LFH” Equipment Wires

120°C, 600V

N.S.N. 6145-99-891-	Anixter Number A10DW-891-	Colour	Cond Size AWG	Nominal Cond Area mm ²	Nominal Cond Stranding #/mm	Thickness of Insulation mm	Minimum O/D mm	Maximum O/D mm	Approx Cable Weight kgs/km
9503	9503	Red	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9504	9504	Blue	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9505	9505	Green	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9506	9506	Yellow	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9507	9507	Black	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9508	9508	White	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9509	9509	Brown	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9510	9510	Violet	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9511	9511	Orange	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9512	9512	Grey	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9513	9513	Pink	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9514	9514	Green/Yellow	26	0.15	19/0.10	0.20	0.80	0.95	2.9
9515	9515	Red	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9516	9516	Blue	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9517	9517	Green	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9518	9518	Yellow	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9519	9519	Black	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9520	9520	White	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9521	9521	Brown	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9522	9522	Violet	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9523	9523	Orange	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9524	9524	Grey	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9525	9525	Pink	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9526	9526	Green/Yellow	24	0.20	19/0.12	0.20	0.90	1.05	3.45
9527	9527	Red	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9528	9528	Blue	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9529	9529	Green	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9530	9530	Yellow	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9531	9531	Black	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9532	9532	White	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9533	9533	Brown	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9534	9534	Violet	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9535	9535	Orange	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9536	9536	Grey	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9537	9537	Pink	22	0.40	19/0.15	0.20	1.05	1.20	4.9
9538	9538	Green/Yellow	22	0.40	19/0.15	0.20	1.05	1.20	4.9

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DEF 61-12 Part 18 Type 1 "LFH" Equipment Wires

120°C, 600V

N.S.N. 6145-99-891-	Anixter Number A10DW-891-	Colour	Cond Size AWG	Nominal Cond Area mm ²	Nominal Cond Stranding #/mm	Thickness of Insulation mm	Minimum O/D mm	Maximum O/D mm	Approx Cable Weight kgs/km
9539	9539	Red	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9540	9540	Blue	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9541	9541	Green	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9542	9542	Yellow	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9543	9543	Black	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9544	9544	White	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9545	9545	Brown	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9546	9546	Violet	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9547	9547	Orange	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9548	9548	Grey	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9549	9549	Pink	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9550	9550	Green/Yellow	20	0.60	19/0.20	0.20	1.30	1.50	7.36
9551	9551	Red	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9552	9552	Blue	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9553	9553	Green	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9554	9554	Yellow	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9555	9555	Black	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9556	9556	White	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9557	9557	Brown	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9558	9558	Violet	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9559	9559	Orange	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9560	9560	Grey	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9561	9561	Pink	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9562	9562	Green/Yellow	18	1.00	19/0.25	0.20	1.55	1.75	10.4
9563	9563	Red	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9564	9564	Blue	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9565	9565	Green	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9566	9566	Yellow	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9567	9567	Black	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9568	9568	White	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9569	9569	Brown	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9570	9570	Violet	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9571	9571	Orange	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9572	9572	Grey	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9573	9573	Pink	16	1.20	19/0.30	0.20	1.80	2.00	16.5
9574	9574	Green/Yellow	16	1.20	19/0.30	0.20	1.80	2.00	16.5

DEF 61-12 Part 18 Type 1 “LFH” Equipment Wires

120°C, 600V

N.S.N. 6145-99-891-	Anixter Number A10DW-891-	Colour	Cond Size AWG	Nominal Cond Area mm ²	Nominal Cond Stranding #/mm	Thickness of Insulation mm	Minimum O/D mm	Maximum O/D mm	Approx Cable Weight kgs/km
9575	9575	Red	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9576	9576	Blue	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9577	9577	Green	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9578	9578	Yellow	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9579	9579	Black	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9580	9580	White	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9581	9581	Brown	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9582	9582	Violet	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9583	9583	Orange	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9584	9584	Grey	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9585	9585	Pink	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9586	9586	Green/Yellow	14	2.00	37/0.25	0.25	2.15	2.35	20.7
9587	9587	Red	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9588	9588	Blue	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9589	9589	Green	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9590	9590	Yellow	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9591	9591	Black	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9592	9592	White	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9593	9593	Brown	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9594	9594	Violet	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9595	9595	Orange	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9596	9596	Grey	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9597	9597	Pink	12	2.60	37/0.30	0.25	2.50	2.70	27.1
9598	9598	Green/Yellow	12	2.60	37/0.30	0.25	2.50	2.70	27.1

N.B: Wire braid screened versions with or without sheath also available. Details available upon request.

Minimum bend radius Flexing Applications 10D
 Fixed Applications 4D

Where D = overall diameter of cable.

For further technical information see page 5-8

Technical Information

DEF 61-12 Part 18 Type 1 "LFH" Equipment Wires

Conductor Size AWG	Nominal Conductor Stranding #/mm	Maximum d.c. Conductor Resistance @ 20°C ohms/km	Maximum a.c. Conductor Resistance @ 120°C ohms/km	Current Rating@ 105°C A
30	1/0.25	383.5	534.2	0.3
26	1/0.40	145.6	202.8	0.8
23	1/0.60	64.0	89.1	1.8
19	1/0.90	28.5	39.7	4.0
30	7/0.10	336.0	468.0	0.3
28	7/0.12	259.0	360.8	0.5
26	19/0.10	141.5	197.1	0.8
24	19/0.12	95.6	133.1	1.3
22	19/0.15	60.0	83.6	2.2
20	19/0.20	33.2	46.2	3.7
18	19/0.25	21.1	29.4	5.8
16	19/0.30	14.5	20.2	7.7
14	37/0.25	10.9	15.2	11.4
12	37/0.30	7.6	10.6	15.6

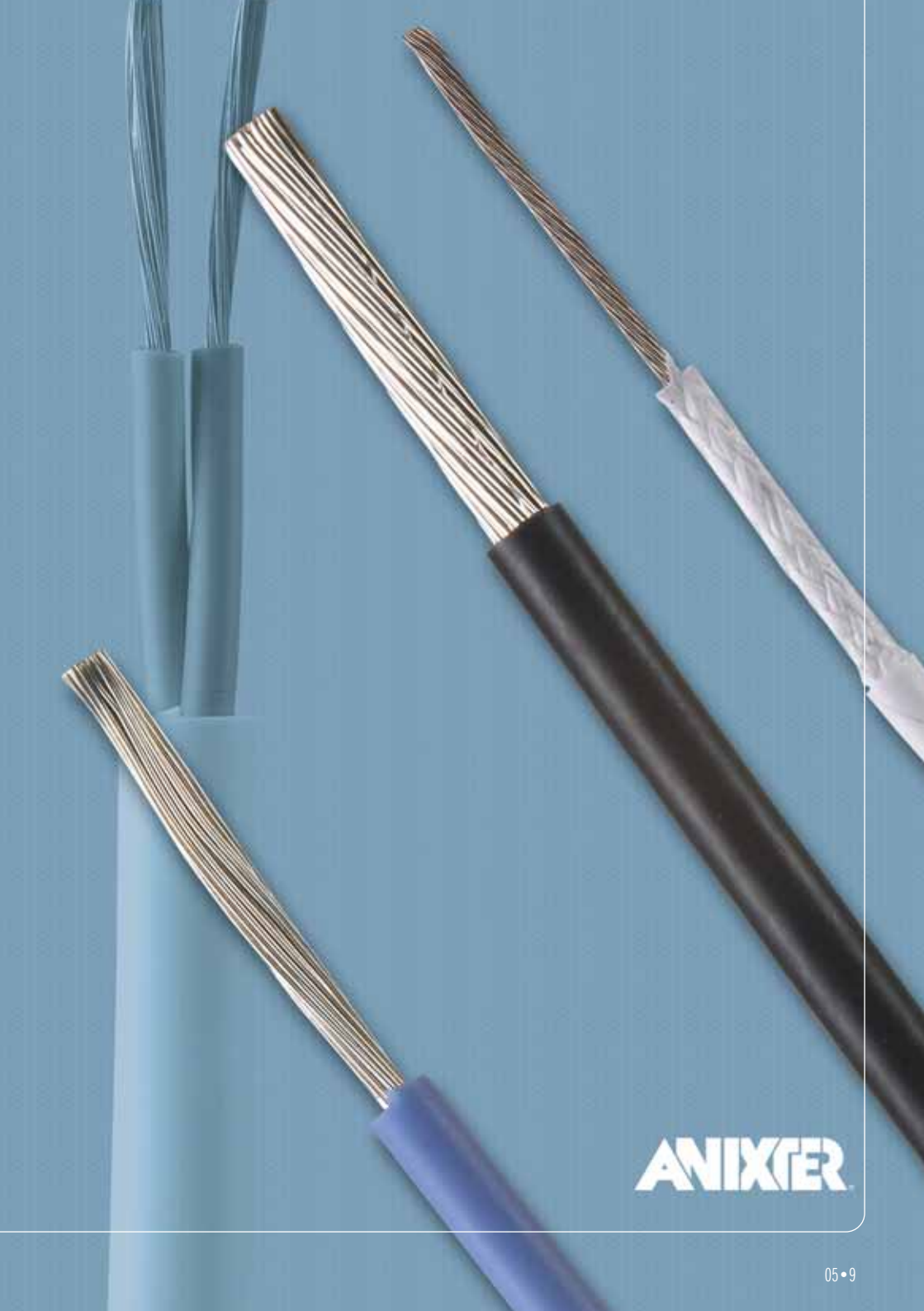
N.B: Current ratings quoted assume single isolated cable in FREE AIR, ambient air temperature of 105°C and conductor operating temperature of 120°C.

For ambient air temperatures other than 105°C, the following rating factors should be applied:

Ambient air temp °C	60	65	70	75	80	85	90	95	100
Rating factor	2.0	1.91	1.83	1.73	1.63	1.53	1.41	1.29	1.15

Where cables are to be grouped, the following rating factors apply:

No. of cables grouped and touching	2	3	4	5	10	15	20	25
Rating factor	0.80	0.70	0.65	0.60	0.45	0.40	0.36	0.33



ANIXTER

PTFE Insulated Equipment Wire Single Core



Application

For use in areas where thermal, electrical or environmental conditions are very demanding.

- Power Generation.
- Avionics and general electronics.

PTFE is unaffected by oils, lubricants, hydraulic fluids or aircraft fuels.

Specifications

- In accordance with BS3G210.
- **Conductors:** Silver plated copper conductors (Nickel plated also available*).
- **Insulation:** PTFE insulation.
- **Temperature Rating:** 190°C maximum conductor operating temperature.

- **Voltage Rating:**
Type 'A' 300V.
Type 'B' 600V.
Type 'C' 1000V.

* When using nickel plated conductors; suitable for use at 260°C max conductor operating temperature.

PTFE Insulated Equipment Wire Single Core

Anixter Number	Size	Cable Type	Nominal Conductor Area mm ²	Nominal Conductor Stranding #/mm	Insulation Thickness mm	Maximum O/D mm	Approx Weight kg/km
	AWG						
A9AC-A28-**	28	A	0.08	7/0.12	0.15	0.71	1.40
A9AC-A26-**	26	A	0.12	7/0.15	0.15	0.80	1.96
A9AC-A24-**	24	A	0.22	7/0.20	0.15	0.95	3.04
A9AC-A22-**	22	A	0.34	19/0.15	0.15	1.10	4.41
A9AC-A20-**	20	A	0.6	19/0.20	0.15	1.35	7.19
A9AC-B28-**	28	B	0.08	7/0.12	0.25	0.96	2.10
A9AC-B26-**	26	B	0.12	7/0.15	0.25	1.05	2.74
A9AC-B24-**	24	B	0.22	7/0.20	0.25	1.20	3.95
A9AC-B22-**	22	B	0.34	19/0.15	0.25	1.35	5.44
A9AC-B20-**	20	B	0.6	19/0.20	0.25	1.6	8.43
A9AC-C28-**	28	C	0.08	7/0.12	0.4	1.28	3.31
A9AC-C26-**	26	C	0.12	7/0.15	0.4	1.37	4.04
A9AC-C24-**	24	C	0.22	7/0.20	0.4	1.52	5.42
A9AC-C22-**	22	C	0.34	19/0.15	0.4	1.67	7.08
A9AC-C20-**	20	C	0.6	19/0.20	0.4	1.92	10.33

** Please use the following suffix for required insulation colour.

01 White

02 Black

03 Red

05 Yellow

06 Blue

12 Pink

Other colours available to order.

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High Temperature Cables

PTFE EFGLAS Aircraft Cable

260°C, 600V



Application

For use in areas where thermal, electrical or environmental conditions are very demanding.

- Avionics and general electronics.
- Gas turbines.
- Specialised Hi-Fi systems.

Specifications

- In accordance with BSG222 (White).
- Can also be supplied to MIL-W-22759.
- **Conductors:** Nickel plated copper wire conductors.
- Constructed with a combination of PTFE tapes and a PTFE impregnated glass yarn braid for extra strength.
- **Temperature Rating:** 260°C maximum conductor operating temperature.
- **Voltage Rating:** 600V.
- **Frequency Maximum:** 1600HZ.

High Temperature Cables
PTFE EFGLAS Aircraft Cable
 260°C, 600V

Anixter Number	Size	Nominal Conductor Area mm ²	Nominal Conductor Stranding #/mm	Maximum O/D mm	Maximum d.c. Conductor Resistance ohm/km @ 20°C
	AWG				
A10DW-659-4482	22	0.34	19/0.15	2.05	61.3
A10DW-659-4483	20	0.6	19/0.20	2.30	33.6
A10DW-659-4484	18	0.93	19/0.25	2.55	21.2
A10DW-659-4481	16	1.34	19/0.30	2.80	14.6
A10DW-659-4485	14	1.82	37/0.25	3.10	10.7
A10DW-659-4480	12	2.89	37/0.32	3.80	6.44
A10DW-659-4486	10	4.65	37/0.40	4.75	4.08
A10DW-659-4487	8	8.41	7 x 17/0.3	6.25	2.28
A10DW-659-4488	6	12.85	7 x 26/0.3	7.30	1.49
A10DW-659-4489	4	20.75	7 x 42/0.3	9.15	0.924

Other colours available to order.

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SIF Silicone Insulated Heat Resistant Single Core Cable

180°C, 300/500V



Application

Silicone cables are recommended for installations where for short periods of time the temperature can fluctuate from high to low. This would cause standard type cables to become inflexible and brittle.

- Steel mills.
- Consumer white goods.
- Ceramic and glass factories.
- High temperature applications.

Specifications

- In accordance with VDE 0250.
- **Conductors:** Tinned copper conductors.
- **Insulation:** Silicone rubber insulation.
- **Temperature Range:** -60°C to +180°C maximum conductor operating temperature.
- **Voltage Rating:** 300/500V.

SIF Silicone Insulated Heat Resistant Single Core Cable

180°C, 300/500V

Anixter Number	Conductor Area mm ²	Nominal Conductor Stranding #/mm	Overall Diameter Nominal mm	Approx Weight kg/km
B2AH-0005-**	0.5	16/0.20	2.1	4.8
B2AH-0075-**	0.75	24/0.20	2.4	7.2
B2AH-0001-**	1	32/0.20	2.5	9.6
B2AH-0150-**	1.5	30/0.25	2.8	14.4
B2AH-0250-**	2.5	50/0.25	3.4	24
B2AH-0400-**	4	56/0.30	4.2	38
B2AH-0600-**	6	84/0.30	5.2	58
B2AH-1000-**	10	80/0.40	7.0	96
B2AH-1600-**	16	126/0.40	8.4	154
B2AH-2500-**	25	196/0.40	10.3	240

** Please use the following suffix for required insulation colour.

01 White

02 Black

03 Red

05 Yellow

06 Blue

07 Brown

12 Pink

Other colours available to order.

Cables with solid conductors (Type SID) are also available. Details upon request.

For current ratings refer to Section 2, Flexible Cables & Cords page 2:42.

SIHF Silicone Heat Resistant Multi-Core Cable

180°C, 300/500V



Application

Silicone cables are recommended for installations where for short periods of time the temperature can fluctuate from high to low. This would cause standard type cables to become inflexible and brittle.

- Steel mills.
- Consumer white goods.
- Ceramic and glass factories.
- High temperature applications.

Specifications

- In accordance with VDE 0250.
- **Conductors:** Tinned copper conductors.
- **Insulation:** Silicone rubber insulation.
- **Core Identification:**
 - 2 core - blue, brown.
 - 3 core - green/yellow, blue, brown.
 - 4 core - green/yellow, brown, black, grey.
- White overall Silicone rubber jacket. Also available in red/brown.
- **Temperature Range:** -60°C to +180°C maximum conductor operating temperature.
- **Voltage Rating:** 300/500V.

SIHF Silicone Heat Resistant Multi-Core Cable

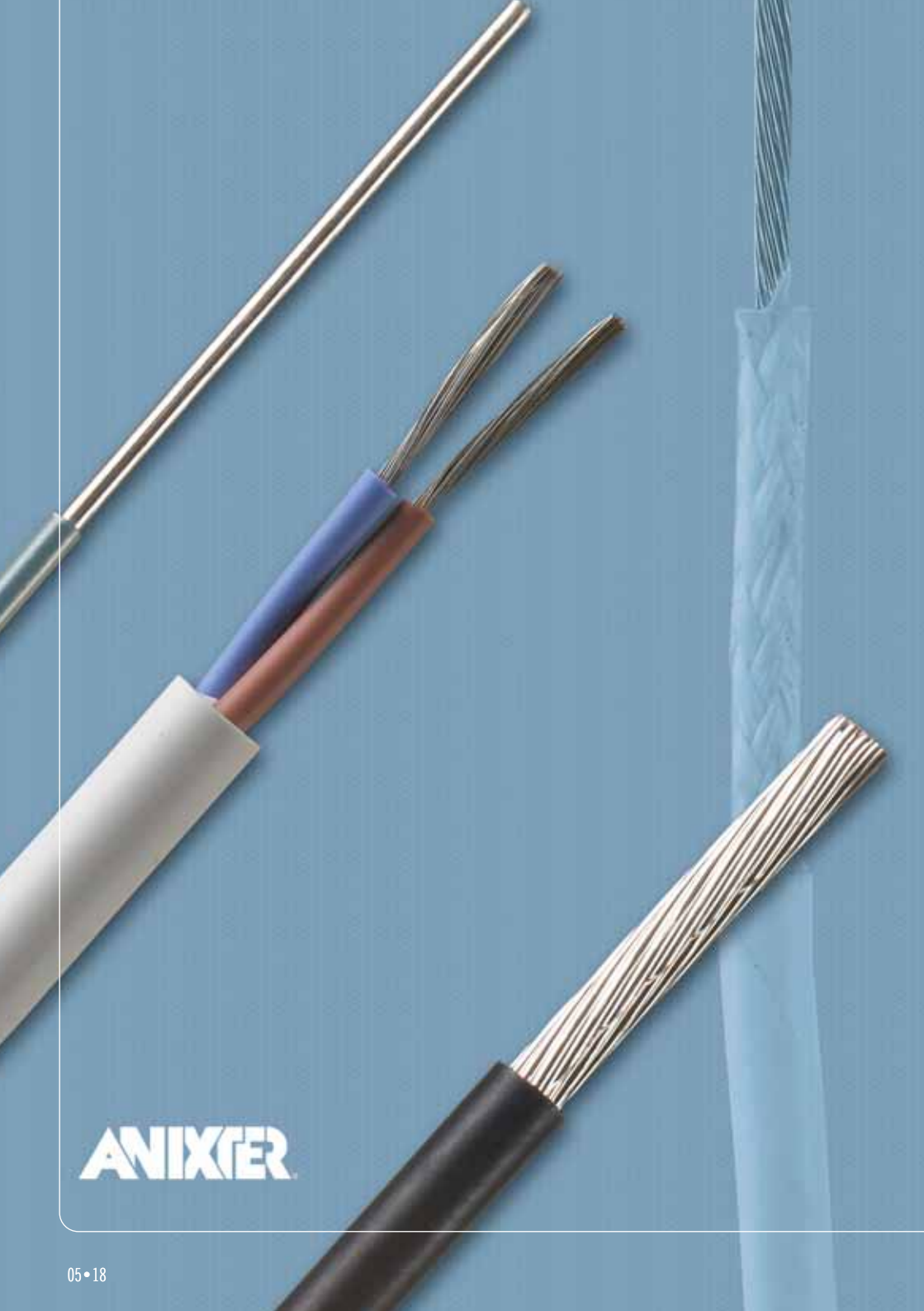
180°C, 300/500V

Anixter Number	Conductor Area mm ²	Number of Cores	Nominal Conductor Stranding #/mm	Overall Diameter Nominal mm	Approx Weight kg/km
SIHF 300/500V Types:					
B14-0201-01	1.0	2	32/0.20	6.7	60
B14-0301-01	1.0	3	32/0.20	7.5	78
B14-0401-01	1.0	4	32/0.20	8.1	95
B14-02015-01	1.5	2	30/0.25	7.6	82
B14-03015-01	1.5	3	30/0.25	8.1	99
B14-04015-01	1.5	4	30/0.25	8.9	123
B14-02025-01	2.5	2	50/0.25	9.4	135
B14-03025-01	2.5	3	50/0.25	9.9	153
B14-04025-01	2.5	4	50/0.25	10.7	189

Also available with larger conductor counts.

Large conductor sizes available.

For current ratings refer to Section 2, Flexible Cables & Cords page 2:42.



ANIXTER