

DEVILENE R ROUND CABLE

205 °F

Temperature range

- > The maximum permissible temperature is 205 °F (96 °C).

Cable construction



Referring standard

- > IEEE 1019



7 times
overall
diameter



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



+23 °F
(-5 °C)



+205 °F
(+96 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DEVILENE R

ROUND CABLE



DEVILENE R

3 Conductors PP/NBR/GSTA 3 kV Round Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter		insulation thickness		insulation diameter		diameter under armour		overall diameter		weight		electrical parameters	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb/kft)	(kg/km)	r (Ω/kft)	x (Ω/kft)
1 42.4	7	0.331	8.41	0.075	1.91	0.49	12.4	1.18	30.0	1.38	35.1	1730	2575	0.171	0.033
1 42.4	1	0.289	7.34	0.075	1.91	0.44	11.2	1.09	27.7	1.29	32.8	1620	2410	0.166	0.032
2 33.6	7	0.292	7.42	0.075	1.91	0.45	11.4	1.10	27.9	1.30	33.0	1485	2215	0.222	0.034
2 33.6	1	0.258	6.55	0.075	1.91	0.41	10.4	1.02	25.9	1.22	31.0	1400	2085	0.215	0.033
4 21.2	1	0.204	5.18	0.075	1.91	0.36	9.1	0.90	22.9	1.10	27.9	1060	1580	0.332	0.035
6 13.3	1	0.162	4.11	0.075	1.91	0.32	8.1	0.81	20.6	1.01	25.7	835	1245	0.527	0.038

DEVILENE R

3 Conductors PP/NBR/GSTA 5 kV Round Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter		insulation thickness		insulation diameter		diameter under armour		overall diameter		weight		electrical parameters	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb/kft)	(kg/km)	r (Ω/kft)	x (Ω/kft)
1 42.4	7	0.331	8.41	0.090	2.29	0.52	13.2	1.25	31.8	1.45	36.8	1820	2705	0.171	0.034
1 42.4	1	0.289	7.34	0.090	2.29	0.47	11.9	1.15	29.2	1.35	34.3	1700	2530	0.166	0.034
2 33.6	7	0.292	7.42	0.090	2.29	0.48	12.2	1.16	29.5	1.36	34.5	1570	2335	0.222	0.035
2 33.6	1	0.258	6.55	0.090	2.29	0.44	11.2	1.09	27.7	1.29	32.8	1480	2200	0.215	0.035
4 21.2	1	0.204	5.18	0.090	2.29	0.39	9.9	0.97	24.6	1.17	29.7	1135	1685	0.332	0.037
6 13.3	1	0.162	4.11	0.090	2.29	0.35	8.9	0.88	22.4	1.08	27.4	905	1350	0.527	0.040

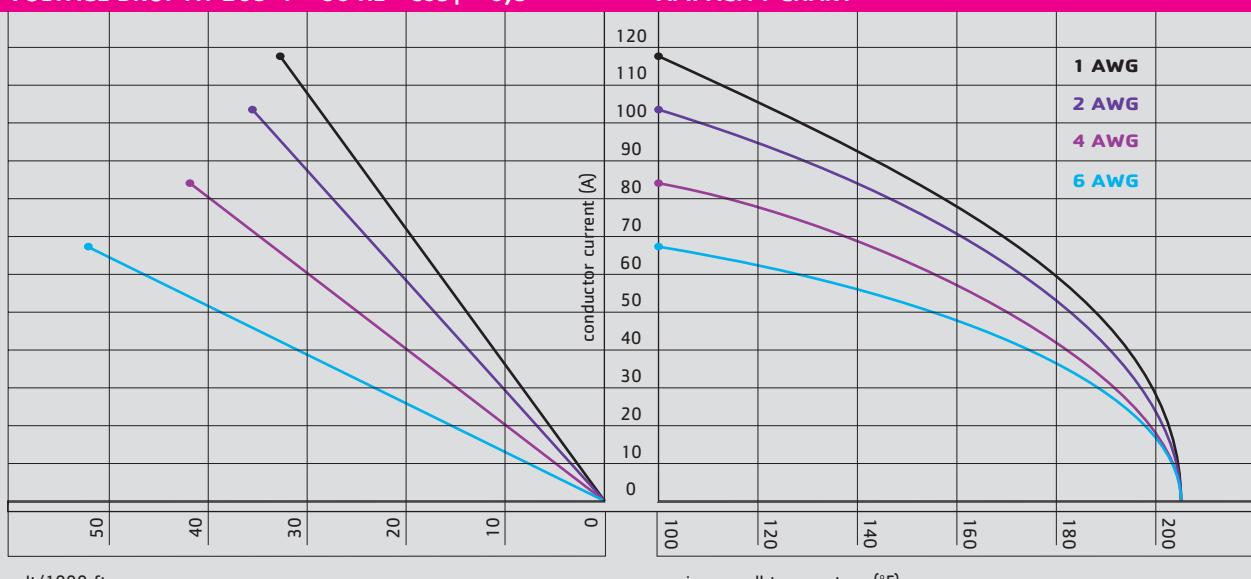
r= conductor electrical resistance at 205 °F

Note: overall dimensions and weights are based on 0,025" armour tape thickness

x= inductive reactance at 60 Hz

VOLTAGE DROP AT 205 °F - 60 Hz - cosφ = 0,8

AMPACITY CHART



volt/1000 ft

maximum well temperature (°F)

DEVILINE R

285 ROUND CABLE

285 °F

Temperature range

> The maximum permissible temperature is 285 °F (140 °C).

Cable construction



Referring standard

> IEEE 1018



7 times
overall
diameter



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-22 °F
(-30 °C)



+284 °F
(+140 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DEVILINE R

285 ROUND CABLE



DEVILINE R 285

3 Conductors EPDM/NBR/GSTA 5 kV Round Pump Cable - Insulation thickness 0,075" (1,91 mm)

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	diameter under armour (in) (mm)	overall diameter (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω /kft) x (Ω /kft)
1 42.4	7	0.331 8.41	0.075 1.91	0.49 12.4	1.24 31.5	1.44 36.6	1850 2750	0.193 0.034
1 42.4	1	0.289 7.34	0.075 1.91	0.44 11.2	1.15 29.2	1.35 34.3	1725 2565	0.188 0.033
2 33.6	7	0.292 7.42	0.075 1.91	0.45 11.4	1.15 29.2	1.35 34.3	1595 2375	0.251 0.035
2 33.6	1	0.258 6.55	0.075 1.91	0.41 10.4	1.08 27.4	1.28 32.5	1500 2230	0.244 0.035
4 21.2	1	0.204 5.18	0.075 1.91	0.36 9.1	0.96 24.4	1.16 29.5	1150 1710	0.377 0.037
6 13.3	1	0.162 4.11	0.075 1.91	0.32 8.1	0.87 22.1	1.07 27.2	920 1370	0.597 0.040

DEVILINE R 285

3 Conductors EPDM/NBR/GSTA 5 kV Round Pump Cable - Insulation thickness 0,090" (2,29 mm)

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	diameter under armour (in) (mm)	overall diameter (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω /kft) x (Ω /kft)
1 42.4	7	0.331 8.41	0.090 2.29	0.52 13.2	1.30 33.0	1.50 38.1	1945 2895	0.193 0.035
1 42.4	1	0.289 7.34	0.090 2.29	0.47 11.9	1.21 30.7	1.41 35.8	1815 2700	0.188 0.035
2 33.6	7	0.292 7.42	0.090 2.29	0.48 12.2	1.22 31.0	1.42 36.1	1685 2510	0.251 0.036
2 33.6	1	0.258 6.55	0.090 2.29	0.44 11.2	1.14 29.0	1.34 34.0	1585 2360	0.244 0.036
4 21.2	1	0.204 5.18	0.090 2.29	0.39 9.9	1.03 26.2	1.23 31.2	1230 1830	0.377 0.039
6 13.3	1	0.162 4.11	0.090 2.29	0.35 8.9	0.94 23.9	1.14 29.0	1000 1485	0.597 0.042

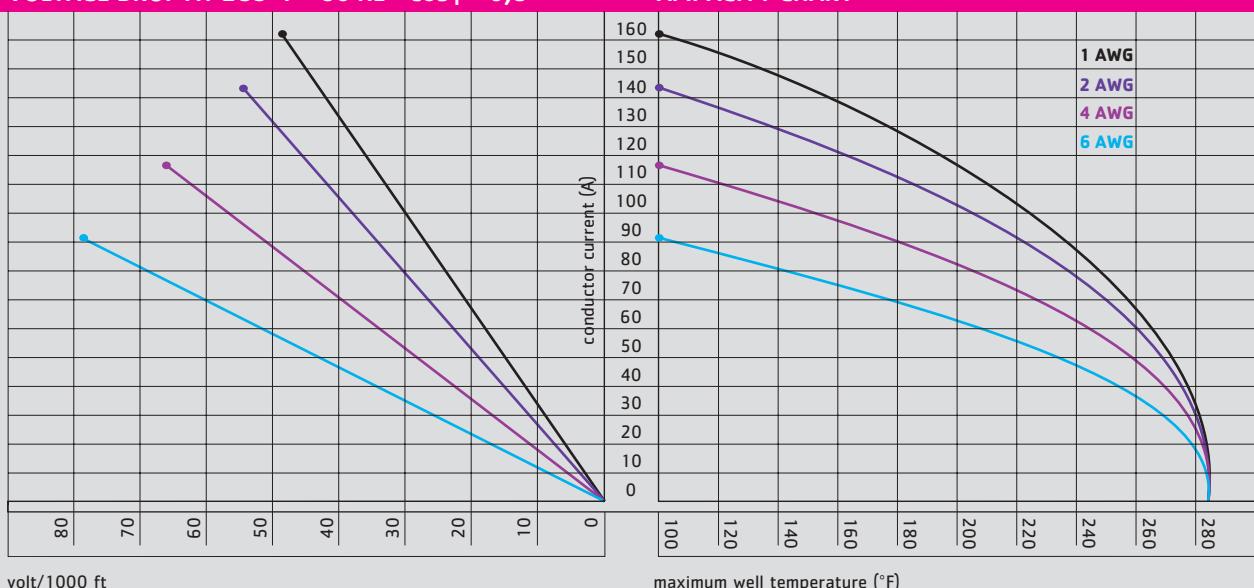
r= conductor electrical resistance at 285 °F

Note: overall dimensions and weights are based on 0,025" armour tape thickness

x= inductive reactance at 60 Hz

VOLTAGE DROP AT 285 °F - 60 Hz - cosφ = 0,8

AMPACITY CHART



volt/1000 ft

maximum well temperature (°F)

DEVILINE R

400 ROUND CABLE

400 °F

Temperature range

- > The maximum permissible temperature is 400 °F (204 °C).

Cable construction



Referring standard

- > IEEE 1018



7 times
overall
diameter



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-40 °F
(-40 °C)



+400 °F
(+204 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DEVILINE R

400 ROUND CABLE



DEVILINE R 400

3 Conductors EPDM/EPDM/GSTA 5 kV Round Pump Cable - Insulation thickness 0,075" (1,91 mm)

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	diameter under armour (in) (mm)	overall diameter (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)
1	42.4	7	0.331 8.41	0.075 1.91	0.49 12.4	1.24 31.5	1.44 36.6	1825 2715 0.226 0.034
1	42.4	1	0.289 7.34	0.075 1.91	0.44 11.2	1.15 29.2	1.35 34.3	1700 2535 0.220 0.033
2	33.6	7	0.292 7.42	0.075 1.91	0.45 11.4	1.15 29.2	1.35 34.3	1575 2345 0.294 0.035
2	33.6	1	0.258 6.55	0.075 1.91	0.41 10.4	1.08 27.4	1.28 32.5	1480 2200 0.286 0.035
4	21.2	1	0.204 5.18	0.075 1.91	0.36 9.1	0.96 24.4	1.16 29.5	1135 1690 0.441 0.037
6	13.3	1	0.162 4.11	0.075 1.91	0.32 8.1	0.87 22.1	1.07 27.2	910 1355 0.700 0.040

DEVILINE R 400

3 Conductors EPDM/EPDM/GSTA 5 kV Round Pump Cable - Insulation thickness 0,090" (2,29 mm)

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	diameter under armour (in) (mm)	overall diameter (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)
1	42.4	7	0.331 8.41	0.090 2.29	0.52 13.2	1.30 33.0	1.50 38.1	1920 2860 0.226 0.035
1	42.4	1	0.289 7.34	0.090 2.29	0.47 11.9	1.21 30.7	1.41 35.8	1790 2665 0.220 0.035
2	33.6	7	0.292 7.42	0.090 2.29	0.48 12.2	1.22 31.0	1.42 36.1	1665 2475 0.294 0.036
2	33.6	1	0.258 6.55	0.090 2.29	0.44 11.2	1.14 29.0	1.34 34.0	1565 2330 0.286 0.036
4	21.2	1	0.204 5.18	0.090 2.29	0.39 9.9	1.03 26.2	1.23 31.2	1215 1805 0.441 0.039
6	13.3	1	0.162 4.11	0.090 2.29	0.35 8.9	0.94 23.9	1.14 29.0	985 1465 0.700 0.042

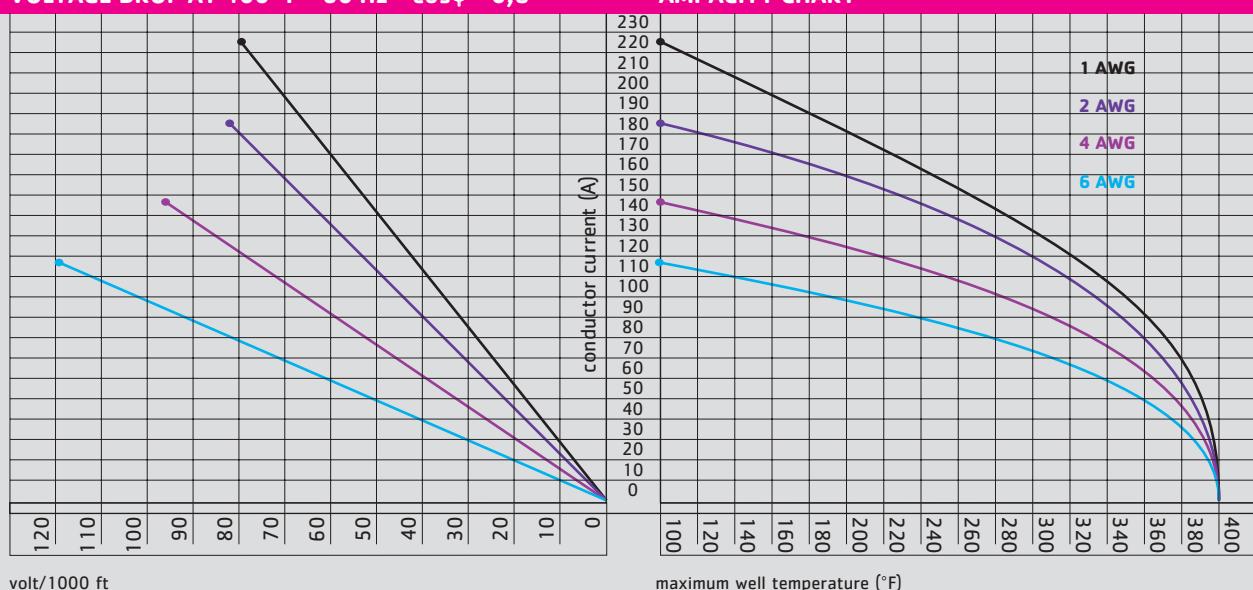
r= conductor electrical resistance at 400 °F

Note: overall dimensions and weights are based on 0,025" armour tape thickness

x= inductive reactance at 60 Hz

VOLTAGE DROP AT 400 °F - 60 Hz - $\cos\phi = 0,8$

AMPACITY CHART



DEVILENE F FLAT CABLE

205 °F

Temperature range

- > The maximum permissible temperature is 205 °F (96 °C).

Cable construction



Conductors

Solid or stranded tinned copper conductors. A special sealing compound completely fills the interstitial spaces between the strands to prevent gas migration.

Insulation

A high dielectric quality Polypropylene (PP) provides the ideal balance of physical and electrical properties.

Jacket

A proprietary Nitrile Rubber (NBR) formulation, specially compounded to provide excellent heat, oil resistance and low swell characteristics is extruded over the insulation.

Tape

A fluoropolymer tape is helically applied with an overlap over the jacket to provide added protection against oil and chemicals and core decompression.

Braid

A synthetic braid, applied with full coverage over the fluoropolymer tape, provides additional mechanical reinforcement and hoop strength.

Armour

A 50% lapped, fully galvanized (4-sides) steel tape armour provides excellent mechanical protection with a high degree of flexibility and is available in thickness of 0.020" or 0.025".

Stainless steel or Monel 400 armour is available for use in highly corrosive well environments.

The armour of Pirelli Devilene F cable is stamped with the letter "P" at regular intervals for ease of manufacturer identification.

Referring standard

- > IEEE 1019



7 times
major axis dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



+23 °F
(-5 °C)



+205 °F
(+96 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DEVILENE F

FLAT CABLE



DEVILENE F

3 Conductors PP/NBR/GSTA 3 kV Flat Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters	
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)
1 42.4	7	0.331 8.41	0.075 1.91	0.49 12.4	0.62x1.86	15.7x47.2	0.73x1.94	18.5x49.3	1630	2425	0.171 0.043
1 42.4	1	0.289 7.34	0.075 1.91	0.44 11.2	0.58x1.74	14.7x44.2	0.69x1.82	17.5x46.2	1545	2300	0.166 0.043
2 33.6	7	0.292 7.42	0.075 1.91	0.45 11.4	0.58x1.75	14.7x44.5	0.69x1.83	17.5x46.5	1415	2100	0.222 0.044
2 33.6	1	0.258 6.55	0.075 1.91	0.41 10.4	0.55x1.64	14.0x41.7	0.66x1.72	16.8x43.7	1350	2005	0.215 0.044
4 21.2	1	0.204 5.18	0.075 1.91	0.36 9.1	0.49x1.48	12.4x37.6	0.60x1.59	15.2x40.4	1050	1560	0.332 0.047
6 13.3	1	0.162 4.11	0.075 1.91	0.32 8.1	0.45x1.35	11.4x34.3	0.56x1.46	14.2x37.1	850	1260	0.527 0.051

DEVILENE F

3 Conductors PP/NBR/GSTA 5 kV Flat Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters	
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)
1 42.4	7	0.331 8.41	0.090 2.29	0.52 13.2	0.65x1.96	16.5x49.8	0.76x2.04	19.3x51.8	1695	2520	0.171 0.044
1 42.4	1	0.289 7.34	0.090 2.29	0.47 11.9	0.61x1.83	15.5x46.5	0.72x1.91	18.3x48.5	1610	2390	0.166 0.044
2 33.6	7	0.292 7.42	0.090 2.29	0.48 12.2	0.61x1.84	15.5x46.7	0.72x1.92	18.3x48.8	1475	2195	0.222 0.046
2 33.6	1	0.258 6.55	0.090 2.29	0.44 11.2	0.58x1.73	14.7x43.9	0.69x1.81	17.5x46.0	1405	2090	0.215 0.046
4 21.2	1	0.204 5.18	0.090 2.29	0.39 9.9	0.52x1.57	13.2x39.9	0.63x1.68	16.0x42.7	1105	1645	0.332 0.049
6 13.3	1	0.162 4.11	0.090 2.29	0.35 8.9	0.48x1.44	12.2x36.6	0.59x1.55	15.0x39.4	900	1340	0.527 0.052

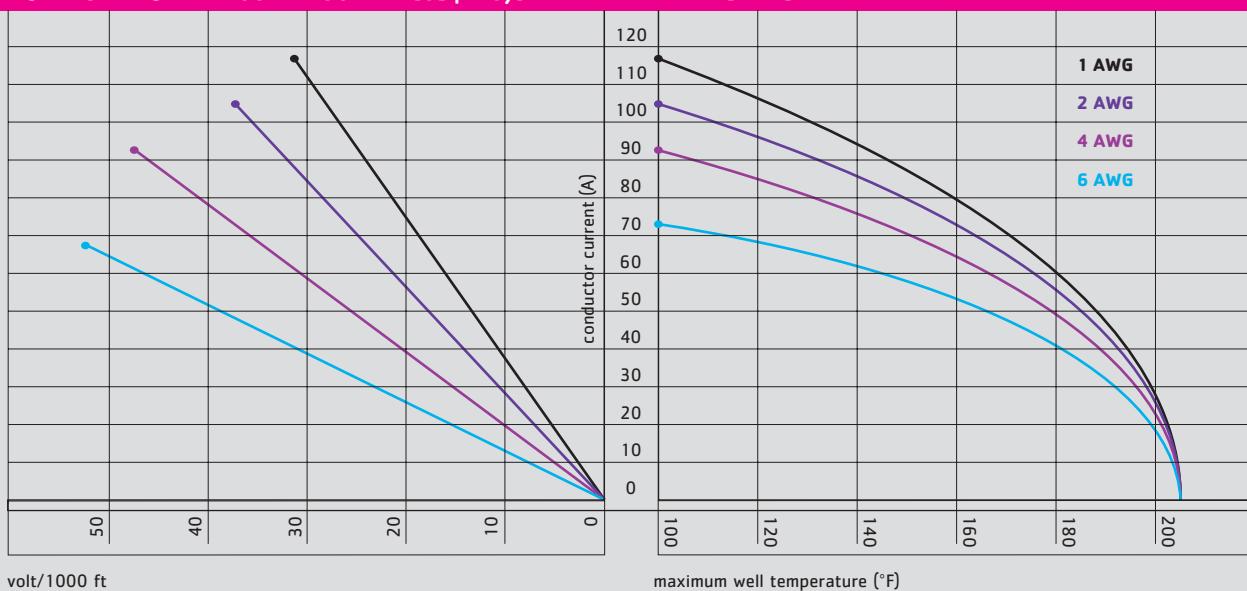
r= conductor electrical resistance at 205 °F

Note: overall dimensions and weights are based on 0.020" armour tape thickness

x= inductive reactance at 60 Hz

VOLTAGE DROP AT 205 °F - 60 Hz - cosφ = 0,8

AMPACITY CHART



volt/1000 ft

maximum well temperature (°F)

DEVILEAD F FLAT PUMP CABLE

450 °F

Temperature range

> The maximum permissible temperature is 450 °F (232 °C).

Cable construction



Referring standard

> IEEE 1018



7 times
major axis
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-40 °F
(-40 °C)



+450 °F
(+232 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DEVILEAD F

FLAT PUMP CABLE



DEVILEAD F

3 Conductors EPDM/LEAD/GSTA 5 kV Flat Pump Cable – Insulation thickness 0,075" (1,91 mm)

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters	
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)
1 42.4	7	0.331 8.41	0.075 1.91	0.49 12.4	0.59x1.78	15.0x45.2	0.70x1.87	17.8x47.5	2515	3745	0.241 0.042
1 42.4	1	0.289 7.34	0.075 1.91	0.44 11.2	0.55x1.66	14.0x42.2	0.66x1.75	16.8x44.5	2355	3500	0.234 0.042
2 33.6	7	0.292 7.42	0.075 1.91	0.45 11.4	0.56x1.67	14.2x42.4	0.66x1.76	16.8x44.7	2230	3320	0.313 0.043
2 33.6	1	0.258 6.55	0.075 1.91	0.41 10.4	0.52x1.56	13.2x39.6	0.63x1.65	16.0x41.9	2100	3125	0.304 0.043
4 21.2	1	0.204 5.18	0.075 1.91	0.36 9.1	0.47x1.40	11.9x35.6	0.58x1.51	14.7x38.4	1705	2535	0.469 0.046

DEVILEAD F

3 Conductors EPDM/LEAD/GSTA 5 kV Flat Pump Cable – Insulation thickness 0,090" (2,29 mm)

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters	
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)
1 42.4	7	0.331 8.41	0.090 2.29	0.52 13.2	0.63x1.88	16.0x47.8	0.73x1.97	18.5x50.0	2640	3930	0.241 0.043
1 42.4	1	0.289 7.34	0.090 2.29	0.47 11.9	0.58x1.75	14.7x44.5	0.69x1.84	17.5x46.7	2470	3680	0.234 0.043
2 33.6	7	0.292 7.42	0.090 2.29	0.48 12.2	0.59x1.76	15.0x44.7	0.69x1.85	17.5x47.0	2350	3495	0.313 0.045
2 33.6	1	0.258 6.55	0.090 2.29	0.44 11.2	0.55x1.65	14.0x41.9	0.66x1.74	16.8x44.2	2215	3295	0.304 0.044
4 21.2	1	0.204 5.18	0.090 2.29	0.39 9.9	0.50x1.49	12.7x37.8	0.61x1.60	15.5x40.6	1815	2705	0.469 0.047

r= conductor electrical resistance at 450 °F

x= inductive reactance at 60 Hz

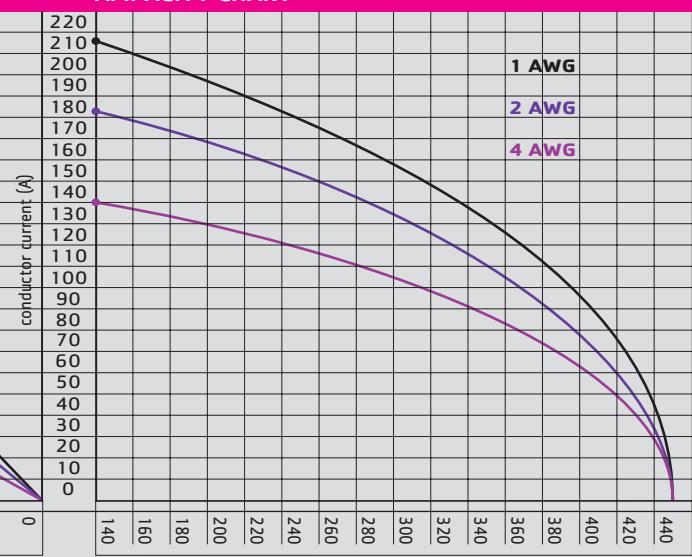
Note: overall dimensions and weights are based on 0,020" armour tape thickness

VOLTAGE DROP AT 450 °F - 60 Hz - cosφ = 0,8



volt/1000 ft

AMPACITY CHART



maximum well temperature (°F)

DW 205 R ROUND CABLE

205 °F

Temperature range

> The maximum permissible temperature is 205 °F (96 °C).

Cable construction



Conductors

Solid or stranded tinned copper conductors.
A special sealing compound completely fills the interstitial spaces between the strands to prevent gas migration.

Insulation

A high dielectric quality Polypropylene (PP) provides the ideal balance of physical and electrical properties.

Jacket

A proprietary Nitrile rubber (NBR) formulation, specially compounded to provide excellent heat, oil resistance and low swell, is extruded over the insulation.

Armour

An interlocking, fully galvanized (4-sides) steel tape armour provides excellent mechanical protection with a high degree of flexibility and enhanced crush resistance, available in 0.025" and 0.034" thicknesses.

Stainless steel or Monel 400 armour is available for use in highly corrosive well environments.

A selection of various armour profiles is available to suit various down hole applications.

Referring standard

> IEEE 1019



7 times
overall
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



+23 °F
(-5 °C)



+205 °F
(+96 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 205 R

ROUND CABLE



DW 205 R3

3 Conductors PP/NBR/GSTA 3 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)								
1	42.4	7	0.30	7.65	0.074	1.90	0.45	11.5	1.13	28.7	1.27	32.2	1612	2398	0.178	0.033
2	33.6	7	0.27	6.78	0.074	1.90	0.42	10.6	1.06	26.9	1.20	30.4	1394	2074	0.224	0.034
4	21.2	1	0.21	5.20	0.074	1.90	0.35	9.0	0.93	23.6	1.06	27.0	1067	1588	0.346	0.037
6	13.3	1	0.16	4.10	0.074	1.90	0.31	7.9	0.83	21.1	0.97	24.6	839	1248	0.550	0.039

DW 205 R4

3 Conductors PP/NBR/GSTA 4 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)								
1	42.4	7	0.30	7.65	0.082	2.10	0.47	11.9	1.17	29.6	1.30	33.1	1653	2460	0.178	0.034
2	33.6	7	0.27	6.78	0.082	2.10	0.43	11.0	1.09	27.8	1.23	31.3	1433	2132	0.224	0.035
4	21.2	1	0.21	5.20	0.082	2.10	0.37	9.4	0.96	24.4	1.10	27.9	1103	1641	0.346	0.038
6	13.3	1	0.16	4.10	0.082	2.10	0.33	8.3	0.87	22.0	1.00	25.5	873	1299	0.550	0.040

DW 205 R5

3 Conductors PP/NBR/GSTA 5 kV Round Pump Cable

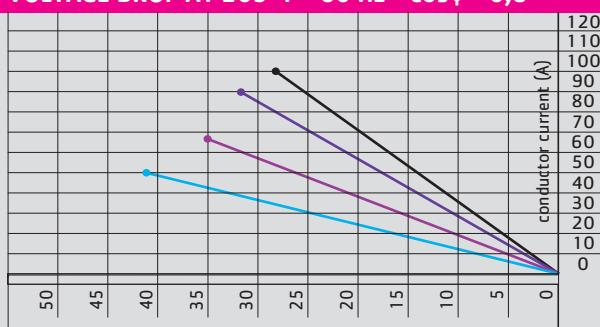
size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)								
1	42.4	7	0.30	7.65	0.092	2.33	0.48	12.3	1.19	30.2	1.34	33.9	1684	2506	0.178	0.034
2	33.6	7	0.27	6.78	0.092	2.33	0.45	11.4	1.12	28.5	1.26	32.1	1465	2180	0.224	0.036
4	21.2	1	0.21	5.20	0.092	2.33	0.40	9.9	0.99	25.2	1.13	28.7	1138	1693	0.346	0.039
6	13.3	1	0.16	4.10	0.092	2.33	0.35	8.8	0.90	22.9	1.04	26.4	909	1353	0.550	0.042

r= conductor electrical resistance at 205 °F

x= inductive reactance at 60 Hz

Note: overall dimensions and weights are based on 0,025" armour tape thickness

VOLTAGE DROP AT 205 °F - 60 Hz - $\cos\phi = 0,8$



1 AWG - 100 A

2 AWG - 90 A

4 AWG - 67 A

6 AWG - 50 A

volt/1000 ft

Maximum current recommended to BHT (Bottom Hole Temperature) 170 °F (76 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 205 F

FLAT CABLE

205 °F

Temperature range

- > The maximum permissible temperature is 205 °F (96 °C).

Cable construction



Referring standard

- > IEEE 1019



7 times
major axis
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



+23 °F
(-5 °C)



+205 °F
(+96 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 205 F

FLAT CABLE



DW 205 F3

3 Conductors PP/NBR/GSTA 3 kV Flat Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters					
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)				
1 42.4	7	0.30	7.65	0.074	1.90	0.45	11.5	0.69x1.89	17.6x48.2	0.73x1.93	18.6x49.2	1554	2313	0.178	0.041
2 33.6	7	0.27	6.78	0.074	1.90	0.42	10.6	0.70x1.79	17.8x45.7	0.70x1.83	17.8x46.7	1356	2018	0.224	0.042
4 21.2	1	0.21	5.20	0.074	1.90	0.35	9.0	0.59x1.61	15.2x41.0	0.63x1.65	16.2x42.0	1055	1570	0.346	0.045
6 13.3	1	0.16	4.10	0.074	1.90	0.31	7.9	0.55x1.48	14.1x37.7	0.59x1.52	15.1x38.7	853	1269	0.550	0.048

DW 205 F4

3 Conductors PP/NBR/GSTA 4 kV Flat Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters					
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)				
1 42.4	7	0.30	7.65	0.082	2.10	0.47	11.9	0.70x1.94	18.0x49.4	0.74x1.98	19.0x50.4	1583	2356	0.178	0.042
2 33.6	7	0.27	6.78	0.082	2.10	0.43	11.0	0.67x1.84	17.2x46.9	0.71x1.88	18.2x47.9	1385	2061	0.224	0.043
4 21.2	1	0.21	5.20	0.082	2.10	0.37	9.4	0.61x1.66	15.6x42.2	0.65x1.70	16.6x43.2	1087	1618	0.346	0.046
6 13.3	1	0.16	4.10	0.082	2.10	0.33	8.3	0.57x1.53	14.5x38.9	0.61x1.57	15.5x39.9	881	1311	0.550	0.049

DW 205 F5

3 Conductors PP/NBR/GSTA 5 kV FLAT Pump Cable

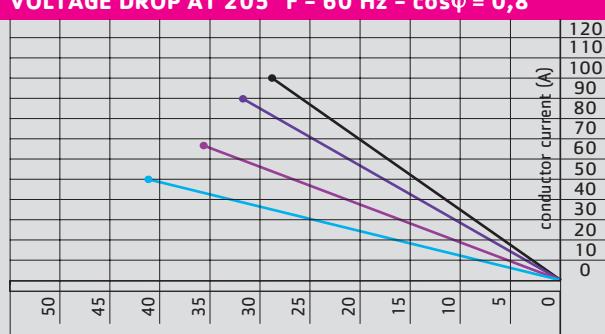
size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters					
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)				
1 42.4	7	0.30	7.65	0.092	2.33	0.48	12.3	0.72x1.99	18.4x50.6	0.76x2.03	19.4x51.6	1611	2397	0.178	0.042
2 33.6	7	0.27	6.78	0.092	2.33	0.45	11.4	0.69x1.89	17.6x48.1	0.73x1.93	18.6x49.1	1410	2099	0.224	0.044
4 21.2	1	0.21	5.20	0.092	2.33	0.40	9.9	0.63x1.71	16.0x43.4	0.66x1.74	17.0x44.4	1111	1653	0.346	0.047
6 13.3	1	0.16	4.10	0.092	2.33	0.35	8.8	0.59x1.58	14.9x40.1	0.62x1.61	15.9x41.1	909	1353	0.550	0.050

r= conductor electrical resistance at 205 °F

x= inductive reactance at 60 Hz

Note: overall dimensions and weights are based on 0.020" armour tape thickness

VOLTAGE DROP AT 205 °F - 60 Hz - cosφ = 0,8



1 AWG - 100 A

2 AWG - 90 A

4 AWG - 67 A

6 AWG - 50 A

volt/1000 ft

Maximum current recommended to BHT (Bottom Hole Temperature) 170 °F (76 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

Prysmian Cables and Systems

Viale Sarca 222, 20126 Milano, Italy - tel. +39 02 6449 1, fax +39 02 6449 2931 - www.prysmian.com

PRYSMIAN
CABLES & SYSTEMS

DW 300 R ROUND CABLE

300 °F

Temperature range

> The maximum permissible temperature is 300 °F (149 °C).

Cable construction



Referring standard

> IEEE 1018



7 times
overall
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-40 °F
(-40 °C)



+300 °F
(+149 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 300 R

ROUND CABLE



DW 300 R3

3 Conductors EPDM/NBR/GSTA 3 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)								
1	42.4	7	0.30	7.65	0.074	1.90	0.45	11.5	1.33	33.7	1.38	35.0	1734	2581	0.206	0.033
2	33.6	7	0.27	6.78	0.074	1.90	0.42	10.6	1.26	32.0	1.31	33.2	1509	2246	0.260	0.034
4	21.2	1	0.21	5.20	0.074	1.90	0.35	9.0	1.12	28.5	1.17	29.8	1166	1735	0.401	0.037
6	13.3	1	0.16	4.10	0.074	1.90	0.31	7.9	1.03	26.2	1.08	27.5	930	1384	0.638	0.039

DW 300 R4

3 Conductors EPDM/NBR/GSTA 4 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)								
1	42.4	7	0.30	7.65	0.082	2.10	0.47	11.9	1.30	33.0	1.35	34.3	1783	2653	0.206	0.034
2	33.6	7	0.27	6.78	0.082	2.10	0.43	11.0	1.23	31.3	1.28	32.6	1555	2314	0.260	0.035
4	21.2	1	0.21	5.20	0.082	2.10	0.37	9.4	1.10	27.9	1.15	29.1	1206	1794	0.401	0.038
6	13.3	1	0.16	4.10	0.082	2.10	0.33	8.3	1.00	25.5	1.06	26.8	969	1442	0.638	0.040

DW 300 R5

3 Conductors EPDM/NBR/GSTA 5 kV Round Pump Cable

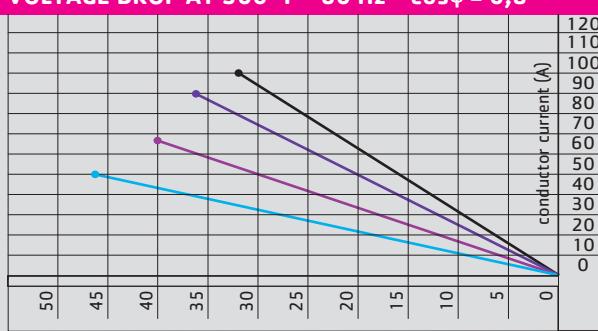
size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)								
1	42.4	7	0.30	7.65	0.092	2.33	0.48	12.3	1.33	33.9	1.39	35.2	1831	2725	0.206	0.034
2	33.6	7	0.27	6.78	0.092	2.33	0.45	11.4	1.26	32.1	1.31	33.4	1603	2386	0.260	0.036
4	21.2	1	0.21	5.20	0.092	2.33	0.40	9.9	1.13	28.7	1.18	30.0	1249	1858	0.401	0.039
6	13.3	1	0.16	4.10	0.092	2.33	0.35	8.8	1.04	26.4	1.09	27.6	1009	1502	0.638	0.042

r = conductor electrical resistance at 300 °F

x = inductive reactance at 60 Hz

Note: overall dimensions and weights are based on 0,025" armour tape thickness

VOLTAGE DROP AT 300 °F - 60 Hz - $\cos\phi = 0,8$



Maximum current recommended to BHT (Bottom Hole Temperature) 268 °F (130 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

Prysmian Cables and Systems

Viale Sarca 222, 20126 Milano, Italy - tel. +39 02 6449 1, fax +39 02 6449 2931 - www.prysmian.com

PRYSMIAN
CABLES & SYSTEMS

DW 300 RE ROUND CABLE

300 °F

Temperature range

- > The maximum permissible temperature is 300 °F (149 °C).

Cable construction



Referring standard

- > IEEE 1018



7 times
overall
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-40 °F
(-40 °C)



+300 °F
(+149 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 300 RE

ROUND CABLE



DW 300 RE3

3 Conductors EPDM/EPDM/GSTA 3 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)
1	42.4	7	0.30 7.65	0.074 1.90	0.45 11.5	1.33 33.7	1.38 35.0	1712 2547 0.206 0.033
2	33.6	7	0.27 6.78	0.074 1.90	0.42 10.6	1.26 32.0	1.31 33.2	1490 2217 0.260 0.034
4	21.2	1	0.21 5.20	0.074 1.90	0.35 9.0	1.12 28.5	1.17 29.8	1149 1710 0.401 0.037
6	13.3	1	0.16 4.10	0.074 1.90	0.31 7.9	1.03 26.2	1.08 27.5	919 1367 0.638 0.039

DW 300 RE4

3 Conductors EPDM/EPDM/GSTA 4 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)
1	42.4	7	0.30 7.65	0.082 2.10	0.47 11.9	1.30 33.0	1.35 34.3	1758 2616 0.206 0.034
2	33.6	7	0.27 6.78	0.082 2.10	0.43 11.0	1.23 31.3	1.28 32.6	1534 2283 0.260 0.035
4	21.2	1	0.21 5.20	0.082 2.10	0.37 9.4	1.10 27.9	1.15 29.1	1190 1771 0.401 0.038
6	13.3	1	0.16 4.10	0.082 2.10	0.33 8.3	1.00 25.5	1.06 26.8	957 1424 0.638 0.040

DW 300 RE5

3 Conductors EPDM/EPDM/GSTA 5 kV Round Pump Cable

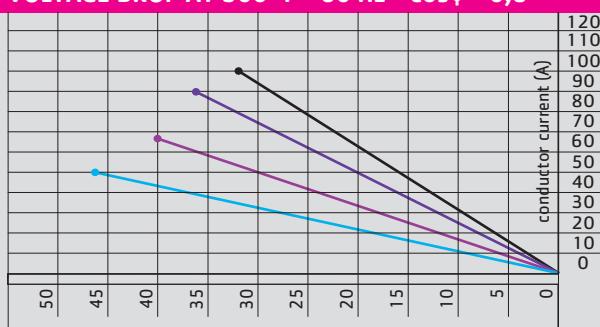
size (awg)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in) (mm)	overall dimensions (in) (mm)	weight (lb/kft) (kg/km)	electrical parameters r (Ω/kft) x (Ω/kft)
1	42.4	7	0.30 7.65	0.092 2.33	0.48 12.3	1.33 33.9	1.39 35.2	1796 2672 0.206 0.034
2	33.6	7	0.27 6.78	0.092 2.33	0.45 11.4	1.26 32.1	1.31 33.4	1580 2351 0.260 0.036
4	21.2	1	0.21 5.20	0.092 2.33	0.40 9.9	1.13 28.7	1.18 30.0	1232 1833 0.401 0.039
6	13.3	1	0.16 4.10	0.092 2.33	0.35 8.8	1.04 26.4	1.09 27.6	997 1483 0.638 0.042

r= conductor electrical resistance at 300 °F

x= inductive reactance at 60 Hz

Note: overall dimensions and weights are based on 0,025" armour tape thickness

VOLTAGE DROP AT 300 °F - 60 Hz - $\cos\phi = 0,8$



Maximum current recommended to BHT (Bottom Hole Temperature) 268 °F (130 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 400 R ROUND CABLE

400 °F

Temperature range

- > The maximum permissible temperature is 400 °F (204 °C).

Cable construction



Referring standard

- > IEEE 1018



7 times
overall
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-40 °F
(-40 °C)



+400 °F
(+204 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 400 R ROUND CABLE



DW 400 R3

3 Conductors EPDM/EPDM/GSTA 3 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter		insulation thickness		insulation diameter		dimensions under armour		overall dimensions		weight		electrical parameters		
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb/kft)	(kg/km)	r (Ω/kft)	x (Ω/kft)	
1	42.4	7	0.30	7.65	0.074	1.90	0.45	11.5	1.33	33.7	1.38	35.0	1674	2491	0.236	0.031
2	33.6	7	0.27	6.78	0.074	1.90	0.42	10.6	1.26	32.0	1.31	33.2	1452	2161	0.298	0.032
4	21.2	1	0.21	5.20	0.074	1.90	0.35	9.0	1.12	28.5	1.17	29.8	1115	1660	0.459	0.035
6	13.3	1	0.16	4.10	0.074	1.90	0.31	7.9	1.03	26.2	1.08	27.5	885	1317	0.731	0.037

DW 400 R4

3 Conductors EPDM/EPDM/GSTA 4 kV Round Pump Cable

size (awg)	conductor strands	conductor diameter		insulation thickness		insulation diameter		dimensions under armour		overall dimensions		weight		electrical parameters		
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb/kft)	(kg/km)	r (Ω/kft)	x (Ω/kft)	
1	42.4	7	0.30	7.65	0.082	2.10	0.47	11.9	1.30	33.0	1.35	34.3	1720	2559	0.236	0.032
2	33.6	7	0.27	6.78	0.082	2.10	0.43	11.0	1.23	31.3	1.28	32.6	1497	2228	0.298	0.033
4	21.2	1	0.21	5.20	0.082	2.10	0.37	9.4	1.10	27.9	1.15	29.1	1154	1718	0.459	0.036
6	13.3	1	0.16	4.10	0.082	2.10	0.33	8.3	1.00	25.5	1.06	26.8	924	1375	0.731	0.038

DW 400 R5

3 Conductors EPDM/EPDM/GSTA 5 kV Round Pump Cable

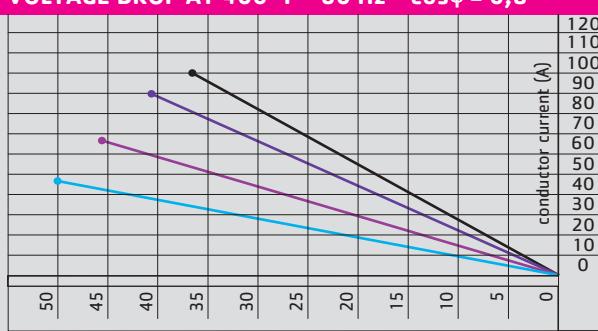
size (awg)	conductor strands	conductor diameter		insulation thickness		insulation diameter		dimensions under armour		overall dimensions		weight		electrical parameters		
		(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(lb/kft)	(kg/km)	r (Ω/kft)	x (Ω/kft)	
1	42.4	7	0.30	7.65	0.092	2.33	0.48	12.3	1.33	33.9	1.39	35.2	1765	2626	0.236	0.033
2	33.6	7	0.27	6.78	0.092	2.33	0.45	11.4	1.26	32.1	1.31	33.4	1541	2294	0.298	0.034
4	21.2	1	0.21	5.20	0.092	2.33	0.40	9.9	1.13	28.7	1.18	30.0	1195	1779	0.459	0.037
6	13.3	1	0.16	4.10	0.092	2.33	0.35	8.8	1.04	26.4	1.09	27.6	961	1430	0.731	0.040

r= conductor electrical resistance at 400 °F

x= inductive reactance at 60 Hz

Note: overall dimensions and weights are based on 0.025" armour tape thickness

VOLTAGE DROP AT 400 °F - 60 Hz - cosφ = 0,8



Maximum current recommended to BHT (Bottom Hole Temperature) 360 °F (182 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 450 FL

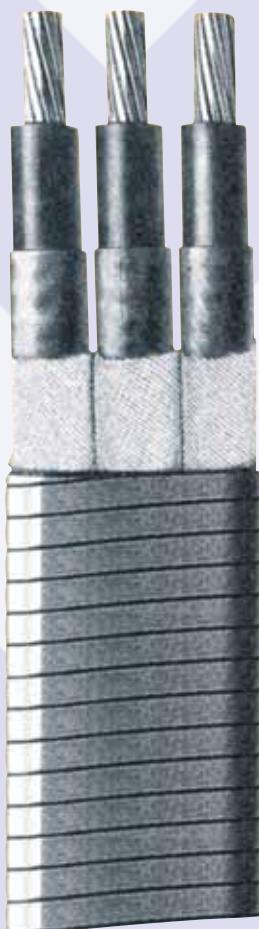
FLAT CABLE

450 °F

Temperature range

> The maximum permissible temperature is 450 °F (232 °C).

Cable construction



Conductors

Solid or stranded tinned copper conductors. A special sealing compound completely fills the interstitial spaces between the strands to prevent gas migration.

Insulation

A proprietary quality EPDM compound is chemically bonded to the conductor. It is specially formulated to provide high dielectric and low swell characteristics in presence of oil.

Lead sheath

A continuous, impervious, fatigue and corrosion resistant lead sheath is extruded over the insulation to provide excellent protection against oil, chemicals and gases and insulation decompression.

Braid

An overlapped tape applied over the lead sheath, provides additional mechanical reinforcement, hoop strength and armour bedding. A suitable synthetic braid with full coverage can be used as an alternative.

Armour

An 50% lapped, fully galvanized (4-sides) steel tape armour provides excellent mechanical protection with a high degree of flexibility and is available in thickness of 0.020" or 0.025".
Stainless steel or Monel 400 armour is available for use in highly corrosive well environments.

Referring standard

> IEEE 1018



7 times
major axis
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-40 °F
(-40 °C)



+450 °F
(+232 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 450 FL

FLAT CABLE



DW 450 FL4

3 Conductors EPDM/LEAD/GSTA 4 kV Flat Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters	
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)
1 42.4	7	0.30 7.65	0.068 1.73	0.44 11.1	0.62x1.68	15.8x42.7	0.66x1.72	16.8x43.7	2351	3498	0.251 0.041
2 33.6	7	0.27 6.78	0.068 1.73	0.40 10.2	0.59x1.58	15.0x40.2	0.62x1.62	16.0x41.2	2094	3116	0.316 0.042
4 21.2	1	0.21 5.20	0.057 1.47	0.32 8.1	0.51x1.33	12.9x33.9	0.54x1.37	13.9x34.9	1611	2398	0.488 0.044
6 13.3	1	0.16 4.10	0.057 1.47	0.28 7.0	0.46x1.20	11.8x30.6	0.50x1.24	12.8x31.6	1334	1985	0.777 0.047

DW 450 FL5

3 Conductors EPDM/LEAD/GSTA 5 kV Flat Pump Cable

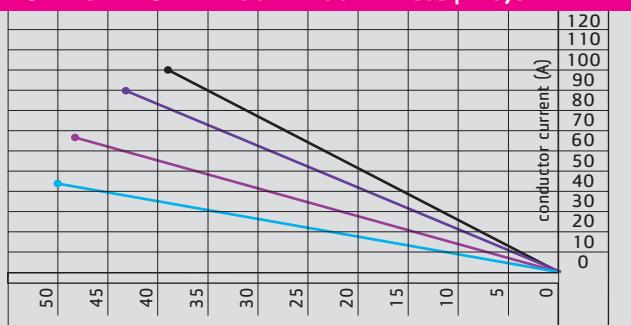
size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters	
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/kft)	x (Ω/kft) (Ω/kft)
1 42.4	7	0.30 7.65	0.074 1.90	0.45 11.5	0.67x1.72	16.9x43.7	0.67x1.75	17.1x44.7	2404	3578	0.251 0.041
2 33.6	7	0.27 6.78	0.074 1.90	0.42 10.6	0.63x1.62	16.1x41.3	0.64x1.66	16.3x42.3	2147	3195	0.316 0.042
4 21.2	1	0.21 5.20	0.074 1.90	0.35 9.0	0.57x1.43	14.5x36.5	0.57x1.47	14.7x37.5	1734	2580	0.488 0.046
6 13.3	1	0.16 4.10	0.074 1.90	0.31 7.9	0.53x1.30	13.4x33.2	0.53x1.34	13.6x34.2	1458	2169	0.777 0.049

r= conductor electrical resistance at 450 °F

x= inductive reactance at 60 Hz

Note: overall dimensions and weights are based on 0,020" armour tape thickness

VOLTAGE DROP AT 450 °F - 60 Hz - cosφ = 0,8



1 AWG - 100 A

2 AWG - 90 A

4 AWG - 67 A

6 AWG - 50 A

volt/1000 ft

Maximum current recommended to BHT (Bottom Hole Temperature) 400 °F (204 °C)

DW 400 FKL MOTOR LEAD FLAT CABLE

400 °F

Temperature range

> The maximum permissible temperature is 400 °F (204 °C).

Cable construction



Referring standard

> IEEE 1018 as far as applicable



7 times
major axis
dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-40 °F
(-40 °C)



+400 °F
(+204 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 400 FKL MOTOR LEAD FLAT CABLE



DW 400 FKL4

3 Conductors KAPTON/EPDM/LEAD/MONEL 4 kV Flat Pump Cable – MOTOR LEAD EXTENSION

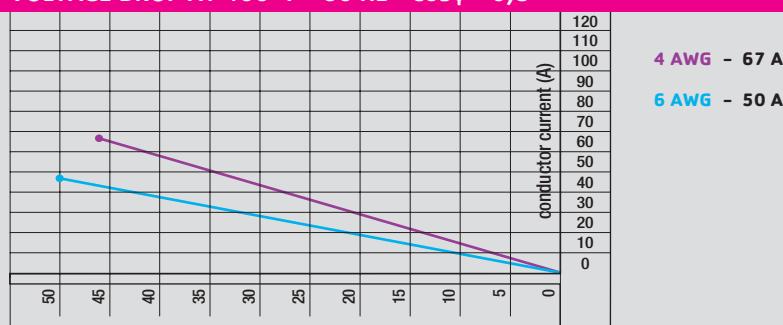
size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour (in)	overall dimensions (in)	weight (lb/kft) (kg/km)	electrical parameters <i>r</i> (Ω/kft) <i>x</i> (Ω/kft)
4 23.76	1	0.22 5.50	0.050 1.27	0.32 8.1	0.40x1.20 10.2x30.6	0.47x1.26 11.7x32.1	1478 2200	0.459 0.042
6 15.34	1	0.18 4.42	0.050 1.27	0.28 7.0	0.36x1.07 9.1x27.3	0.45x1.17 11.5x29.7	1155 1719	0.730 0.045

r= conductor electrical resistance at 400 °F

Note: overall dimensions and weights are based on 0,015" armour tape thickness

x= inductive reactance at 60 Hz

VOLTAGE DROP AT 400 °F - 60 Hz - cosφ = 0,8



volt/1000 ft

Maximum current recommended to BHT (Bottom Hole Temperature) 360 °F (182 °C)

DW 205 COLD F 205 °F

FLAT CABLE

Temperature range

> The maximum permissible temperature is 205 °F (96 °C)

Cable construction



> Conductors

Solid tinned copper conductors.

> Insulation

A high quality electrical grade High Density Polyethylene (HDPE) provides the ideal balance of physical, electrical properties and low temperature behaviour.

> Jacket

A tough High Density Polyethylene (HDPE) black jacket guarantees high oil, heat and low temperature resistance.

> Tape

A suitable tape elically applied on the jacket layer, ensures an added protection to oil attack and core decompression.

> Braid

If required a synthetic braid provides an additional reinforcement and hoop strength.

> Armour

A 50% lapped, fully galvanized (4-sides) steel tape armour provides excellent mechanical protection with a high degree of flexibility and is available in thickness of 0.020" or 0.025".

Stainless steel or Monel 400 armour is available for use in highly corrosive well environments.

The armour of Pirelli DW 205 Cold F cable is stamped with the letter "P" at regular intervals for ease of manufacturer identification.



7 times
major axis dimension



galvanised steel tape: good
stainless steel tape: very good
monel tape: excellent



50 N/mm²



-49 °F
(-45 °C)



+205 °F
(+96 °C)

FULL SYSTEM INTEGRITY FROM SAHARA TO SIBERIA

DW 205 COLD F

FLAT CABLE



DW 205 F3 COLD

3 Conductors HDPE/HDPE/GSTA 3 kV Flat Pump Cable

size (awg) (mm ²)	conductor strands	conductor diameter (in) (mm)	insulation thickness (in) (mm)	insulation diameter (in) (mm)	dimensions under armour		overall dimensions		weight (lb/kft) (kg/km)	electrical parameters	
					(in)	(mm)	(in)	(mm)		r (Ω/kft) (Ω/km)	x (Ω/kft)
4 21.2	1	0.21 5.20	0.063 1.60	0.35 8.4	0.47x1.42	12.0x36.0	0.65x1.61	16.5x41.0	970	1450	0.332 0.048
6 13.3	1	0.16 4.10	0.063 1.60	0.31 7.3	0.43x1.29	10.9x32.7	0.61x1.50	15.5x38.0	770	1150	0.527 0.050

r= conductor electrical resistance at 205 °F

x= inductive reactance at 60 Hz

Note: overall dimensions and weights are based on 0,020" armour tape thickness