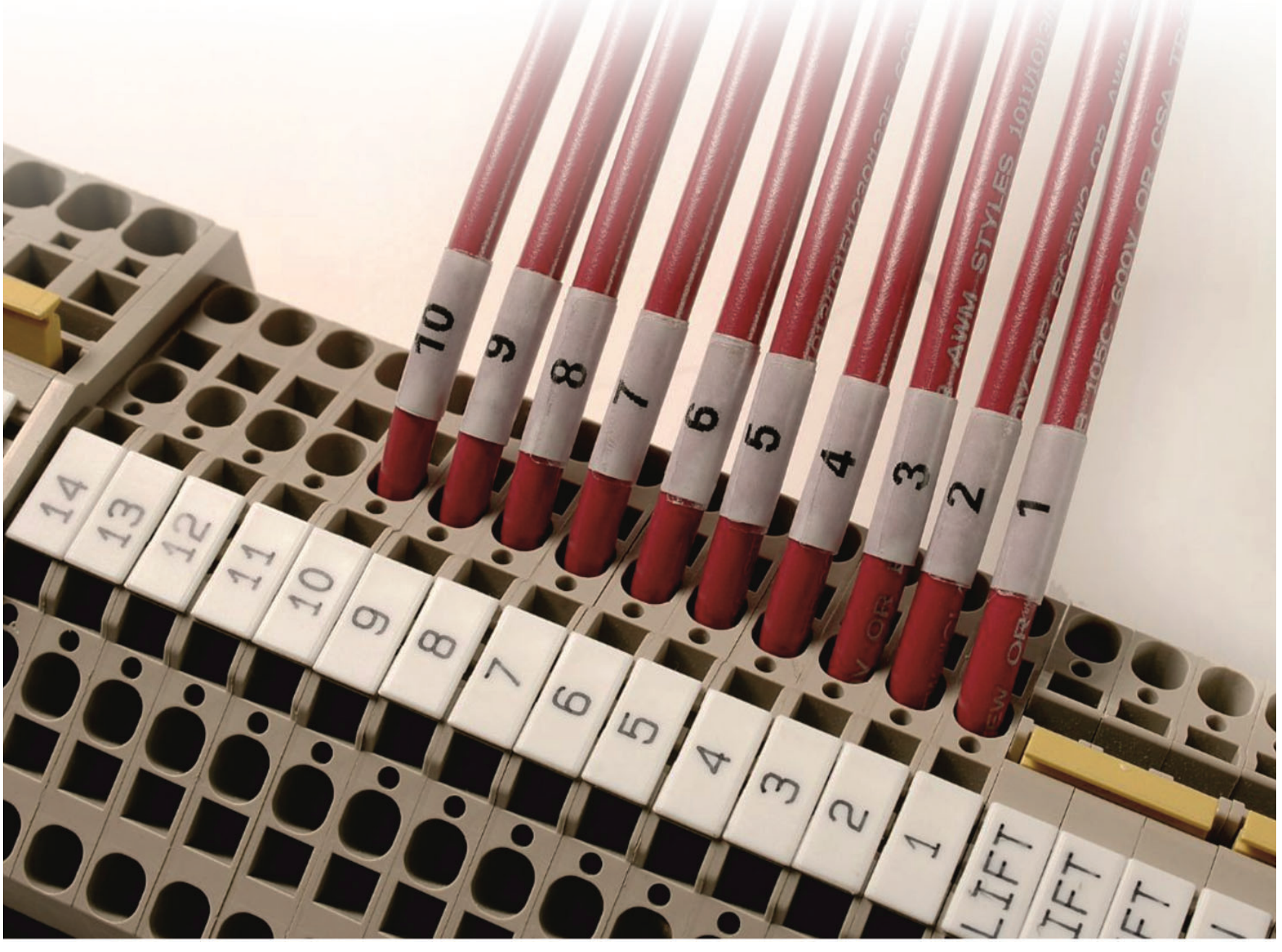
SBEE™

UL Certified Wires & Cables



SBEE TRI RATED SINGLE CORE WIRES & CABLE

TECHNICAL DATA

As per UL-type AWM 105°C 600V, CSA-type AWM 105°C 600V, BS6231 ck type 90°C 600V

Conductor Bunching: Short lay, Class 5 as per UL, CSA, BS 6360

Specific Insulation Resistance:>20G Ω x cm

Rated Voltage: 600V

HV Test Voltage: 2.5 kV .

Temperature Range: Fixed Installation -20°C to +105°C & -5° + 105°

APPLICATIONS

- Switch board wiring application
- Panel wiring
- Special wiring application where heat requirement is more.

PRODUCT MAKEUP

- Strands of Electrolytic Grade, Oxygen free Bare Copper wire Class V (Class 2 & Class 6 on request) acc to BS 6300
- Soft PVC based Core Insulation
- Labelled with coloured stripes available

PRODUCT FEATURES

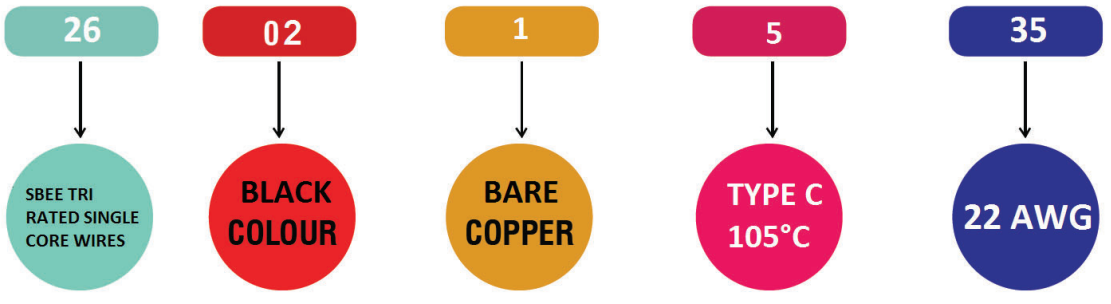
- Greater flexibility
- Higher temperature withstanding capacity
- Confirms to UL & BS standards

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request.

AWG No.	Cross-sec. mm² With Comparison to AWG	Nearest Sqmm Area as per IEC	Nominal cable Diameter mm	Conductor Resistance at 20° Ohm/Km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 30 Deg C
22.0	0.33	0.50	2.6	39.0	11.0	5.0
20.0	0.52	0.75	2.7	26.0	14.0	6.0
18.0	0.82	1.00	2.9	19.5	17.0	9.5
16.0	1.31	1.50	3.2	13.3	22.0	20.0
14.0	2.08	2.50	3.6	8.0	32.0	24.0
12.0	3.32	4.00	4.1	5.0	48.0	34.0
10.0	5.26	6.00	4.6	3.3	68.0	52.0
8.0	8.35	10.00	6.3	1.9	119.0	75.0
6.0	13.29	16.00	8.3	1.2	201.0	95.0
4.0	21.14	25.00	9.5	0.8	293.0	120.0
2.0	33.61	35.00	10.8	0.6	409.0	170.0
1.0	42.38	50.00	13.2	0.4	581.0	180.0
`2/0	67.40	70.00	14.9	0.3	818.0	225.0
`3/0	84.97	95.00	16.4	0.2	1041.0	275.0
250 Kcml	127.00	120.00	18.0	0.2	1285.0	345.0
300kcmil	152.00	150.00	20.3	0.1	1609.0	390.0

* Any other size available on request

Example to find out Part Number, for SBEE TRI RATED SINGLE CORE WIRES of 22 AWG Black



Insulation variants: Type A FR. Type A Type D FR, Type D FRLSH, TYPE C, RoHS 70°C, TYPE C F.R.L.S, H.R. H.F.F.R. Ref to table 4.

Copper Class 5 Variants & Cross sections: Electrolytic Grade Oxygen Free Bare Copper or Electrolytic grade Oxygen Free Tinned Copper Refer to table 1.

Copper to class 2 & class 6 construction can also be offered.

Cables of 400mm², 500, 630, 1000 mm² are also available on requirement.

Cross Section from 0.5mm² to 6mm² 90 mtr or 100 mtrs in paper corrugated boxes or PE bags. Cross Section from 0.5mm² to 6mm² 270 mtrs or 500 mtrs in DIN 250 spools. Cross Sections from 10mm² & above in rings or spools depends on order length.

Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018,Orange,-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm²). Refer table 3

SBEE UL 1007 -30°C TO +80°C HOOK-UP WIRE

TECHNICAL DATA

- As per UL 758 recognised style for AWM
- Specific Insulation Resistance:>20G Ω x cm
- HV Test Voltage: 1.5kV to 3 KV
- Conductor Bunching as per UL Standard
- Rated Voltage: U0/U :300V
- Temperature Range: Fixed Installation-30°C to +80°C

APPLICATIONS

- Used in interal wiring of Appliance Electronic use

PRODUCT MAKEUP

- Solid, Stranded, Bare, Tinned electrolytic grade Oxygen free Copper conductor
- Color coded PVC based Core Insulation
- Labelled with colored stripes (optional)
- Special requirement of multicore with core numbers without sheath available on request.

PRODUCT FEATURES

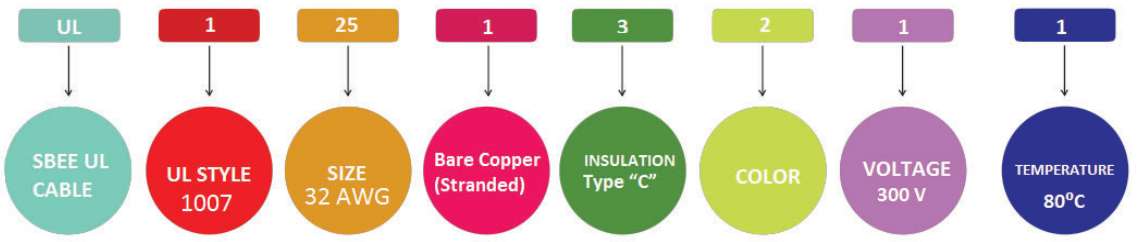
- Passes CAN/CSA FT1 testing procedure of UL 758
- AWM Class I, II or I/II, Group A, B or A/B
- Uniform thickness of wire to ensure easy stripping & cutting
- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request. * In-built UV protection.

Article No.	AWG Size	Solid/ Stranding	Nominal Wall Thickness		Nominal Insulation diameter		Weight	
			In Inches	mm	In Inches	mm	lbs/1000ft	kgs/km
UL 12513211	32	7//40	1//64	0.397	0.043	1.1	1.0	1.5
UL 13333211	24	solid	1//64	0.397	0.052	1.4	2.6	3.9
UL 13533211	22	solid	1//64	0.397	0.059	1.5	3.6	5.4
UL 13733211	20	solid	1//64	0.397	0.065	1.7	5.1	7.6
UL 13313211	24	7//32	1//64	0.397	0.056	1.5	2.8	4.2
UL 13513211	22	7//30	1//64	0.397	0.062	1.6	3.9	5.8
UL 13713211	20	10//30	1//64	0.397	0.071	1.8	5	7.4
UL 13913211	18	16//30	1//64	0.397	0.081	2.1	7.8	12
UL 14113211	16	26//30	1//64	0.397	0.092	2.4	10.9	16.2

* Any other size available on request

Example to find out Part Number, for SBEE UL 1007 80°C 300 V HOOK-UP Wire of 32 AWG Black Single Core



Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018,Orange,-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm²). Refer table 3

SBEE UL 1015 -30⁰ TO 105⁰C 600V HOOK-UP WIRE

ENERGY STAR RoHS Recyclable

TECHNICAL DATA

- As per UL 758 recognised style for AWM
- Conductor Bunching as per UL Standard
- Specific Insulation Resistance:>20G Ω x cm
- Rated Voltage: U0/U: 600V
- HV Test Voltage: 1.5kV
- Temperature Range: Fixed Installation-30⁰C to +105⁰C

APPLICATIONS

- Used in interal wiring of appliances & Electronic use

PRODUCT MAKEUP

- Solid, Stranded, Bare, Tinned electrolytic grade Oxygen free Copper conductor
- Color coded PVC based Core Insulation
- Labelled with colored stripes (optional)
- Special requirement of multicore with core numbers without sheath available on request.

PRODUCT FEATURES

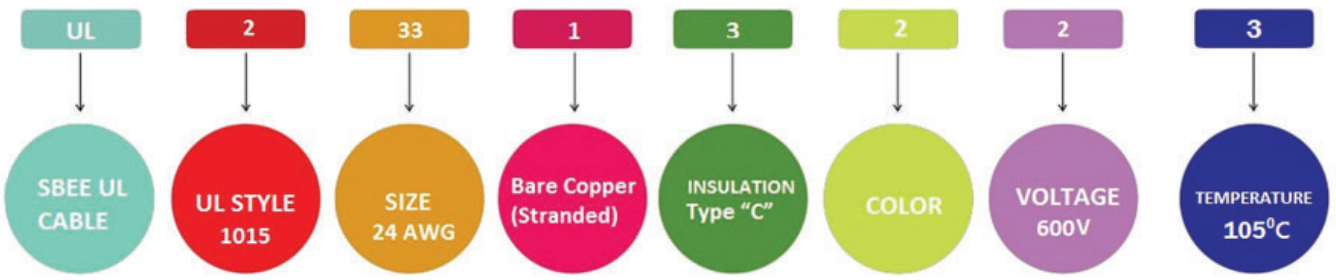
- Passes CAN/CSA FT1 testing procedure of UL 758
- AWM Class I, II or I/II, Group A, B or A/B
- Uniform thickness of wire to ensure easy stripping & cutting
- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request.

Article No.	AWG Size	Solid/ Stranding	Nominal Wall Thickness		Nominal Insulation diameter		Weight	
			In Inches	mm	In Inches	mm	lbs/1000ft	kgs/km
UL23313223	24	7//32	1//32	0.794	0.087	2.2	5.1	7.59
UL23513223	22	7//30	1//32	0.794	0.094	2.4	6.3	9.37
UL23713223	20	10//30	1//32	0.794	0.102	2.6	7.6	11.3
UL23913223	18	16//30	1//32	0.794	0.113	2.9	10.1	15
UL24113223	16	26//30	1//32	0.794	0.124	3.2	14.4	21.4
UL24313223	14	41//30	1//32	0.794	0.138	3.5	20.1	29.9
UL24513223	12	65//30	1//32	0.794	0.158	4.0	29.6	44
UL23713223	10	105//30	1//32	0.794	0.184	4.7	42.2	62.8

* Any other size available on request

Example to find out Part Number, for SBEE UL 1015 105⁰C 600 V HOOK-UP Wire of 24 AWG Black Single Core



Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018,Orange,-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm²). Refer table 3

SBEE™

SBEE UL 1569 -30°C TO 105°C 300V HOOK-UP WIRE

ENERGY STAR RoHS Recyclable

TECHNICAL DATA

- As per UL 758 recognised style for AWM
- Specific Insulation Resistance:>20G Ω x cm
- HV Test Voltage: 1.5kV
- Conductor Bunching as per UL Standard
- Rated Voltage: U_0/U :300V
- Temperature Range: Fixed Installation-30°C to +105°C

APPLICATIONS

- Used in interal wiring of appliances & Electronic Equipment

PRODUCT MAKEUP

- Solid, Stranded, Bare, Tinned electrolytic grade Oxygen free Copper conductor
- Color coded PVC based Core Insulation
- Labelled with colored stripes (optional)
- Special requirement of multicore with core numbers without sheath available on request.

PRODUCT FEATURES

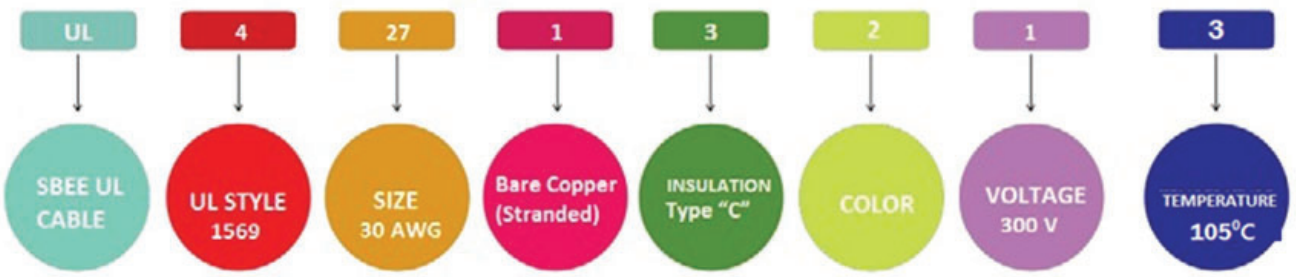
- Passes CAN/CSA FT1 testing procedure of UL 758
- AWM Class I, II or I/II, Group A, B or A/B
- Uniform thickness of wire to ensure easy stripping & cutting
- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request. * In-built UV protection.

Article No.	AWG Size	Solid/ Stranding	Nominal Wall Thickness		Nominal Insulation diameter		Weight	
			In Inches	mm	In Inches	mm	lbs/1000ft	kgs/km
UL42713213	30	7//0.102	1//64	0.397	0.0453	1.15	1.34	2
UL42913213	28	7//0.127	1//64	0.397	0.0492	1.25	1.7	2.5
UL43313213	24	7//0.203	1//64	0.397	0.0571	1.45	2.7	4
UL43513213	22	12//0.203	1//64	0.397	0.0630	1.6	3.7	5.5
UL43713213	20	19//0.195	1//64	0.397	0.0807	2.05	6	9
UL44113213	16	26//0.254	1//64	0.397	0.0945	2.4	10	15
UL44313213	14	41//0.254	1//64	0.397	0.110	2.8	16	24
UL44713213	10	105//0.254	1//64	0.397	0.1575	4	36.7	55

* Any other size available on request

Example to find out Part Number, for SBEE UL 1569 105°C 300 V HOOK-UP Wire of 30 AWG Black Single Core



Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018,Orange,-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm²). Refer table 3

SBEE UL 1032 -30°C TO +90°C 1.0 KV AC 1.2 KV DC HOOK-UP WIRE

TECHNICAL DATA

- As per UL 758 recognised style for AWM
- Specific Insulation Resistance:>20G Ω x cm
- HV Test Voltage: 1.5kV
- Conductor Bunching as per UL Standard
- Rated Voltage: U_0/U :1000V AC/1200 V DC
- Temperature Range: Fixed Installation-30°C to +105°C

APPLICATIONS

- Used in interal wiring of appliances & Electronic Equipment

PRODUCT MAKEUP

- Available in solid/Stranded Bare/Tinned Electrolytic Grade Oxygen Free Copper conductor
- Multi Stranded in combination to get nearest AWG cross section
- Size 30 to 2AWG, 1//0-4//0 and 250 KC mil to 2000 KC mil
- Color coded PVC based Core Insulation

PRODUCT FEATURES

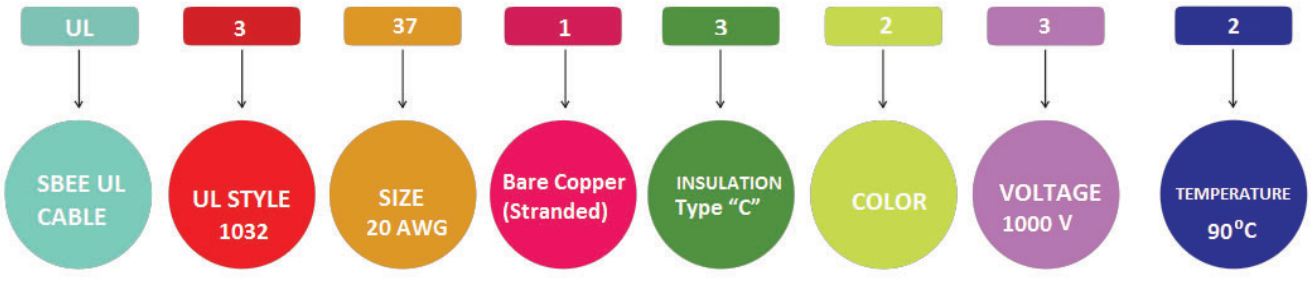
- Passes CAN/CSA FT1 testing procedure of UL 758
- AWM Class I, II or I/II, Group A, B or A/B
- Uniform thickness of wire to ensure easy stripping & cutting
- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request. * In-built UV protection.

Article No.	AWG Size	Apprx. Dia in mm (+0.2 mm)	Apprx. Dia in mm (+0.2 mm)
		Inches	mm
UL33713232	20	0.0984	2.50
UL33913232	18	0.106	2.70
UL34113232	16	0.118	3.00
UL34513232	14	0.134	3.40
UL34713232	12	0.154	3.90
UL34913232	10	0.177	4.50
UL35113232	8	0.236	6.00
UL35313232	6	0.307	7.80
UL35513232	4	0.354	9.00
UL35613232	2	0.413	10.50
UL35713232	1	0.504	12.80
UL35813232	1//0	0.551	14.00
UL35913232	2//0	0.591	15.00
UL36013232	3//0	0.649	16.50
UL36113232	4//0	0.708	18.00
UL36213232	250 kc mil	0.787	20.00
UL36313232	300 kc mil	0.839	21.30

Any other sizes on request

Example to find out Part Number, for SBEE UL 1032 90°C 600 V HOOK-UP Wire of 24 AWG Black Single Core



Colour RAL shade. Black-RAL 9005, Blue-RAL 5015, Brown-RAL 8024, Red-RAL 3000, White-RAL 9003, Grey-RAL 7001, Pink-RAL 3015, Beige-RAL 1001, Yellow-RAL 1021, Green-RAL 6018,Orange,-RAL2003 & Yellow/Green-RAL 1021/6018 (up to 50mm^2). Refer table 3

SBEE UL 2464 -30°C TO +80°C 1.0 KV AC 1.2 KV DC MULTICORE CABLE

ENERGY STAR RoHS Recyclable

TECHNICAL DATA

As per UL 758 recognised style for AWM

Specific Insulation Resistance:>20G Ω x cm

HV Test Voltage: 1.5kV to 3kV

Conductor Bunching as per UL Standard

Rated Voltage: U0/U :1000V AC/1200 V DC

Temperature Range: Fixed Installation-30°C to +80°C

Core Test Ref to style No. 1007 80°C & Style No. 1569 80°C

APPLICATIONS

- Used in connections for interal & external wiring, of Electronic & Electrical Equipment appliances

PRODUCT MAKEUP

- Available in solid/Stranded Electrolytic Grade Oxygen Free Copper conductor
- Multi Stranded in combination to get nearest AWG cross section
- Size 24 to 16AWG
- Color coded PVC based Core Insulation or Black color numbered cores.
- Outersheath (Black, Grey, Blue Optional)

PRODUCT FEATURES

- Passes CAN/CSA FT1, VW1 testing procedure of UL 758
- AWM Class I, II or I/II, Group A, B or A/B
- Uniform thickness of wire to ensure easy stripping & cutting
- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request. * In-built UV protection.

Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 30° C
UL6331323120	2 X 24 AWG	0.21	5.61	4.12	34.55	2.00
UL6331323130	3 X 24 AWG	0.21	5.83	6.08	38.75	2.00
UL6331323140	4 X 24 AWG	0.21	6.27	8.14	45.68	1.60
UL6331323160	6 X 24 AWG	0.21	7.15	12.26	61.01	1.60
UL63313231100	10 X 24 AWG	0.21	8.69	20.39	92.19	1.40
UL63313231120	12 X 24 AWG	0.21	8.91	24.41	99.96	1.40
UL63313231160	16 X 24 AWG	0.21	9.79	32.55	122.33	1.40
UL63313231180	18 X 24 AWG	0.21	10.23	36.67	135.03	1.40
UL63313231240	24 X 24 AWG	0.21	11.77	48.82	179.13	1.40
UL6351323120	2 X 22 AWG	0.33	6.27	8.14	45.78	3.00
UL6351323130	3 X 22 AWG	0.33	6.49	12.26	52.61	3.00
UL6351323140	4 X 22 AWG	0.33	7.04	16.27	63.11	2.40
UL6351323160	6 X 22 AWG	0.33	8.14	24.41	86.42	2.40
UL63513231100	10 X 22 AWG	0.33	10.01	40.69	134.09	2.10
UL63513231120	12 X 22 AWG	0.33	10.34	48.82	147.00	2.10
UL63513231160	16 X 22 AWG	0.33	11.33	65.10	182.60	2.10
UL63513231180	18 X 22 AWG	0.33	11.88	73.23	202.55	2.10
UL63513231240	24 X 22 AWG	0.33	13.75	97.64	271.01	2.10
UL6371323120	2 X 20 AWG	0.52	6.71	12.26	54.92	5.00
UL6371323130	3 X 20 AWG	0.52	6.93	18.33	64.16	5.00
UL6371323140	4 X 20 AWG	0.52	7.59	24.41	77.81	4.00
UL6371323160	6 X 20 AWG	0.52	8.80	36.67	107.94	4.00
UL63713231100	10 X 20 AWG	0.52	10.89	61.08	169.68	3.50
UL63713231120	12 X 20 AWG	0.52	11.22	73.23	187.43	3.50
UL63713231160	16 X 20 AWG	0.52	12.32	97.64	234.78	3.50
UL63713231180	18 X 20 AWG	0.52	12.98	109.90	260.93	3.50
UL63713231240	24 X 20 AWG	0.52	15.07	146.57	350.49	3.50
UL6391323120	2 X 18 AWG	0.82	7.37	16.27	67.62	7.00
UL6391323130	3 X 18 AWG	0.82	7.70	24.41	79.70	7.00
UL6391323140	4 X 18 AWG	0.82	8.36	32.55	97.44	5.60
UL6391323160	6 X 18 AWG	0.82	9.79	48.82	136.71	5.60
UL63913231100	10 X 18 AWG	0.82	12.21	81.37	217.35	4.90
UL63913231120	12 X 18 AWG	0.82	12.54	97.64	240.87	4.90
UL63913231160	16 X 18 AWG	0.82	13.86	130.30	303.03	4.90
UL63913231180	18 X 18 AWG	0.82	14.63	146.57	337.58	4.90
UL63913231240	24 X 18 AWG	0.82	17.05	195.39	455.49	4.90
UL6411323120	2 X 16 AWG	1.31	8.03	24.10	84.42	10.00
UL6411323130	3 X 16 AWG	1.31	8.36	36.15	101.01	10.00
UL6411323140	4 X 16 AWG	1.31	9.13	48.20	124.74	8.00
UL6411323160	6 X 16 AWG	1.31	10.78	72.31	176.93	8.00
UL64113231100	10 X 16 AWG	1.31	13.53	120.51	284.55	7.00
UL64113231120	12 X 16 AWG	1.31	13.97	144.61	317.10	7.00

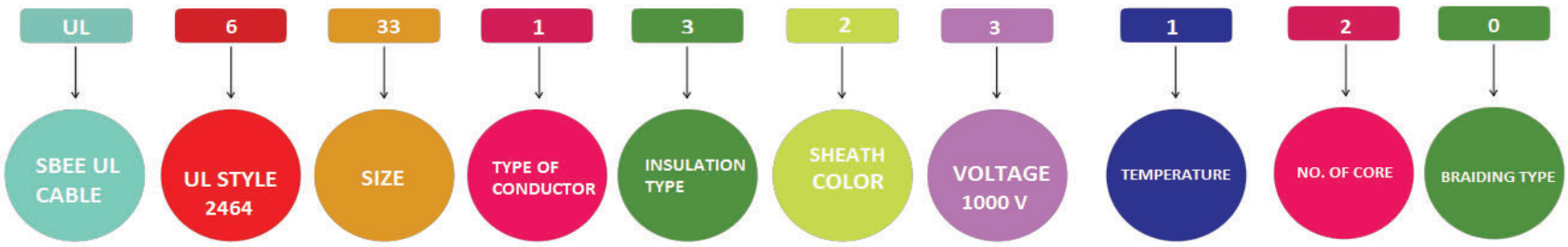
Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 30° C
UL64113231160	16 X 16 AWG	1.31	15.40	192.82	401.73	7.00
UL64113231180	18 X 16 AWG	1.31	16.28	216.92	448.35	7.00
UL64113231240	24 X 16 AWG	1.31	19.03	289.22	606.59	7.00

Correction Factors at ambinet temp over 30° C

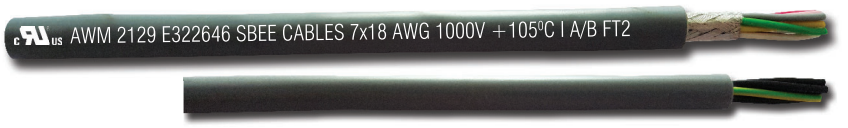
Ambient Temperature	Load rating values of above tables
°C	f
31-40	0.82
41-45	0.71
46-50	0.58

Jacket	**Inches**	**mm**	**mm**	**mm**
Thickness				
Calculated dia of round assembly inches (mm)	**Average**	**Min**	**Average**	**Min**
0 -0.7 inch (0 to 17.78 mm)	0.03	0.024	0.76	0.61
0.701 -1.0 inch (17.79 to 25.4 mm)	0.045	0.036	1.14	0.91
1.01 - 1.5 inch (25.41 to 38.1 mm)	0.06	0.048	1.52	1.22

Example to find out Part Number, for SBEE UL 2464 80°C 1000 V of 2C X 24 AWG



SBEE UL 2129 FROM -30°C UPTO 105°C 0.6 KV AC & 1.0 KV DC MULTICORE CABLE



ENERGY STAR RoHS Recyclable

TECHNICAL DATA

- As per UL 758 recognised style for AWM
- Specific Insulation Resistance:>20G Ω x cm
- HV Test Voltage: 1.5kV too 3kV
- Conductor Bunching as per UL Standard
- Rated Voltage: U_0/U :600V AC/1000 V DC
- Temperature Range: Fixed Installation-30°C to +105°C
- Core Test Ref to style No. 1007 80°C & Style No. 1569 80°C

APPLICATIONS

- Used in connections for interal & external wiring, of Electronic & Electrical Equipment appliances

PRODUCT MAKEUP

- Multi Stranded in combination to get nearest AWG cross section
- Size 24 to 16AWG
- Color coded PVC based Core Insulation or Black color numbered cores.
- Outersheath (Black, Grey, Blue Optional)

PRODUCT FEATURES

- Passes CAN/CSA FT1 & VW1 testing procedure of UL 758
- AWM Class I, II or I/II, Group A, B or A/B
- Uniform thickness of wire to ensure easy stripping & cutting
- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request. * In-built UV protection.

Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 300 C
UL5331323320	2 X 24 AWG	0.21	5.61	4.12	34.55	2.00
UL5331323330	3 X 24 AWG	0.21	5.83	6.08	38.75	2.00
UL5331323340	4 X 24 AWG	0.21	6.27	8.14	45.68	1.60
UL5331323360	6 X 24 AWG	0.21	7.15	12.26	61.01	1.60
UL53313233100	10 X 24 AWG	0.21	8.69	20.39	92.19	1.40
UL53313233120	12 X 24 AWG	0.21	8.91	24.41	99.96	1.40
UL53313233160	16 X 24 AWG	0.21	9.79	32.55	122.33	1.40
UL53313233180	18 X 24 AWG	0.21	10.23	36.67	135.03	1.40
UL53313233240	24 X 24 AWG	0.21	11.77	48.82	179.13	1.40
UL5351323320	2 X 22 AWG	0.33	6.27	8.14	45.78	3.00
UL5351323330	3 X 22 AWG	0.33	6.49	12.26	52.61	3.00
UL5351323340	4 X 22 AWG	0.33	7.04	16.27	63.11	2.40
UL5351323360	6 X 22 AWG	0.33	8.14	24.41	86.42	2.40
UL53513233100	10 X 22 AWG	0.33	10.01	40.69	134.09	2.10
UL53513233120	12 X 22 AWG	0.33	10.34	48.82	147.00	2.10
UL53513233160	16 X 22 AWG	0.33	11.33	65.1	182.60	2.10
UL53513233180	18 X 22 AWG	0.33	11.88	73.23	202.55	2.10
UL53513233240	24 X 22 AWG	0.33	13.75	97.64	271.01	2.10
UL5371323320	2 X 20 AWG	0.52	6.71	12.26	54.92	5.00
UL5371323330	3 X 20 AWG	0.52	6.93	18.33	64.16	5.00
UL5371323340	4 X 20 AWG	0.52	7.59	24.41	77.81	4.00
UL5371323360	6 X 20 AWG	0.52	8.8	36.67	107.94	4.00
UL53713233100	10 X 20 AWG	0.52	10.89	61.08	169.68	3.50
UL53713233120	12 X 20 AWG	0.52	11.22	73.23	187.43	3.50
UL53713233160	16 X 20 AWG	0.52	12.32	97.64	234.78	3.50
UL53713233180	18 X 20 AWG	0.52	12.98	109.9	260.93	3.50
UL53713233240	24 X 20 AWG	0.52	15.07	146.57	350.49	3.50
UL5391323320	2 X 18 AWG	0.82	7.37	16.27	67.62	7.00
UL5391323330	3 X 18 AWG	0.82	7.7	24.41	79.70	7.00
UL5391323340	4 X 18 AWG	0.82	8.36	32.55	97.44	5.60
UL5391323360	6 X 18 AWG	0.82	9.79	48.82	136.71	5.60
UL53913233100	10 X 18 AWG	0.82	12.21	81.37	217.35	4.90
UL53913233120	12 X 18 AWG	0.82	12.54	97.64	240.87	4.90
UL53913233160	16 X 18 AWG	0.82	13.86	130.3	303.03	4.90
UL53913233180	18 X 18 AWG	0.82	14.63	146.57	337.58	4.90

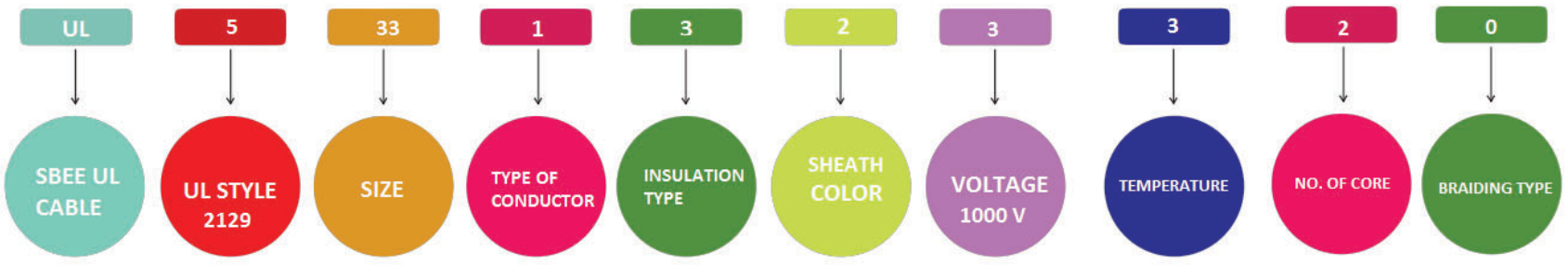
Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 300 C
UL53913233240	24 X 18 AWG	0.82	17.05	195.39	455.49	4.90
UL5411323320	2 X 16 AWG	1.31	8.03	24.1	84.42	10.00
UL5411323330	3 X 16 AWG	1.31	8.36	36.15	101.01	10.00
UL5411323340	4 X 16 AWG	1.31	9.13	48.2	124.74	8.00
UL5411323360	6 X 16 AWG	1.31	10.78	72.31	176.93	8.00
UL54113233100	10 X 16 AWG	1.31	13.53	120.51	284.55	7.00
UL54113233120	12 X 16 AWG	1.31	13.97	144.61	317.10	7.00
UL54113233160	16 X 16 AWG	1.31	15.4	192.82	401.73	7.00
UL54113233180	18 X 16 AWG	1.31	16.28	216.92	448.35	7.00
UL54113233240	24 X 16 AWG	1.31	19.03	289.22	606.59	7.00

Correction Factors at ambinet temp over 30° C

Ambient Temperature	Load rating values of above tables
°C	f
31-40	0.82
41-45	0.71
46-50	0.58

Jacket	Inches	mm	mm	mm
Thickness				
Calculated dia of round assembly inches (mm)	**Average**	**Min**	**Average**	**Min**
0 -0.7 inch (0 to 17.78 mm)	0.03	0.024	0.76	0.61
0.701 -1.0 inch (17.79 to 25.4 mm)	0.045	0.036	1.14	0.91
1.01 - 1.5 inch (25.41 to 38.1 mm)	0.06	0.048	1.52	1.22

Example to find out Part Number, for SBEE UL 2129 105^{0}C 1000 V of 2C X 24 AWG



SBEE UL 2587 FROM -20°C TO +90°C 600 V MULTICORE CABLE

ENERGY STAR RoHS Recyclable

TECHNICAL DATA

As per UL 758 recognised style for AWM

Specific Insulation Resistance:>20G Ω x cm

HV Test Voltage: 3 kV

Conductor Bunching as per UL Standard

Rated Voltage: U_0/U :600V AC/1000 V DC

Temperature Range: Fixed Installation -20°C to +90°C

Core Test Ref to style No. 1007 80°C & Style No. 1569 80°C/UL 1015 as per customer requirement

APPLICATIONS

- Used in machine tools, control system, connection between control panels & machines
- External, internal connections or internal wiring

PRODUCT MAKEUP

- Available in Solid/Stranded Electrolytic Grade Oxygen Free Bare Copper conductor
- Multi Stranded in combination to get nearest AWG cross section Size 24 to 16AWG
- Color coded PVC based Core Insulation or Black color numbered cores.
- Outersheath (Black, Grey, Blue Optional)

PRODUCT FEATURES

- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request. * In-built UV protection.
* Style applied for certification

Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 300 C
UL7331322220	2 X 24 AWG	0.21	6.4	8.1	55.65	2.0
UL7331322230	3 X 24 AWG	0.21	7.1	12.3	71.925	2.0
UL7331322240	4 X 24 AWG	0.21	8.5	16.3	101.745	1.6
UL7331322260	6 X 24 AWG	0.21	11	24.4	165.795	1.6
UL73313222100	10 X 24 AWG	0.21	11.7	40.7	200.235	1.4
UL73313222120	12 X 24 AWG	0.21	12.1	48.8	218.82	1.4
UL73313222160	16 X 24 AWG	0.21	13.5	65.1	264.81	1.4
UL73313222180	18 X 24 AWG	0.21	15.3	73.2	344.19	1.4
UL73313222240	24 X 24 AWG	0.21	17.8	97.6	466.725	1.4
UL7351322220	2 X 22 AWG	0.33	6.8	12.3	2.52	3.0
UL7351322230	3 X 22 AWG	0.33	7.1	18.3	77.175	3.0
UL7351322240	4 X 22 AWG	0.33	8.2	24.4	101.325	2.4
UL7351322260	6 X 22 AWG	0.33	9.8	36.7	146.265	2.4
UL73513222100	10 X 22 AWG	0.33	12.5	61.1	240.975	2.1
UL73513222120	12 X 22 AWG	0.33	13	73.2	264.81	2.1
UL73513222160	16 X 22 AWG	0.33	15.5	97.6	371.49	2.1
UL73513222180	18 X 22 AWG	0.33	16.3	109.9	413.49	2.1
UL73513222240	24 X 22 AWG	0.33	19	146.6	561.75	2.1
UL7371322220	2 X 20 AWG	0.52	7.1	16.3	73.92	5.0
UL7371322230	3 X 20 AWG	0.52	7.5	24.4	87.99	5.0
UL7371322240	4 X 20 AWG	0.52	8.5	32.5	115.605	4.0
UL7371322260	6 X 20 AWG	0.52	10.2	48.8	167.475	4.0
UL73713222100	10 X 20 AWG	0.52	13.1	81.4	276.885	3.5
UL73713222120	12 X 20 AWG	0.52	13.6	97.6	305.655	3.5
UL73713222160	16 X 20 AWG	0.52	16.2	130.3	426.09	3.5
UL73713222180	18 X 20 AWG	0.52	17	146.6	474.81	3.5
UL73713222240	24 X 20 AWG	0.52	19.9	195.4	645.75	3.5
UL7391322220	2 X 18 AWG	0.82	7.6	24.1	89.46	7.0
UL7391322230	3 X 18 AWG	0.82	8.3	36.2	113.085	7.0
UL7391322240	4 X 18 AWG	0.82	9.1	48.2	141.855	5.6
UL7391322260	6 X 18 AWG	0.82	11	72.3	206.64	5.6
UL73913222100	10 X 18 AWG	0.82	14.1	120.5	343.035	4.9
UL73913222120	12 X 18 AWG	0.82	15.6	144.6	418.215	4.9
UL73913222160	16 X 18 AWG	0.82	17.3	192.8	526.995	4.9
UL73913222180	18 X 18 AWG	0.82	18.3	216.9	588.21	4.9
UL73913222240	24 X 18 AWG	0.82	21.4	289.2	800.625	4.9
UL7431322220	2 X 14 AWG	2.08	8.7	40.2	125.895	15.0
UL7431322230	3 X 14 AWG	2.08	9.2	60.3	153.93	15.0
UL7431322240	4 X 14 AWG	2.08	10.2	80.3	194.67	12.0

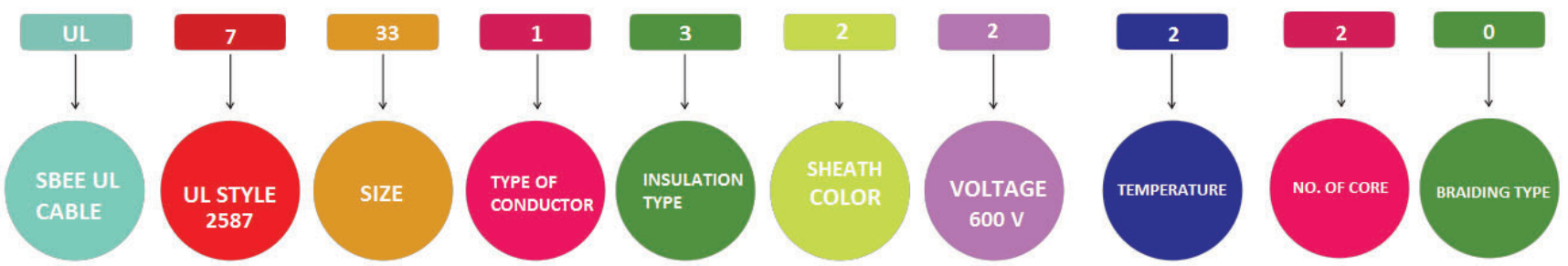
Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 300 C
UL7431322250	5 X 14 AWG	2.08	12.3	100.4	268.59	12.0
UL7451322220	2 X 12 AWG	2.08	9.8	63.9	170.73	20.0
UL7451322230	3 X 12 AWG	2.08	10.4	95.8	212.1	20.0
UL7451322240	4 X 12 AWG	2.08	11.6	127.7	270.165	16.0
UL7451322250	5 X 12 AWG	2.08	14	159.7	371.385	16.0
UL7471322220	2 X 10 AWG	5.26	10.9	95.8	225.435	30.0
UL7471322230	3 X 10 AWG	5.26	11.6	143.7	284.13	30.0
UL7471322240	4 X 10 AWG	5.26	12.9	191.6	363.825	24.0
UL7491322220	2 X 8 AWG	8.35	15.3	163.2	422.73	40.0
UL7491322230	3 X 8 AWG	8.35	16.2	244.7	526.47	40.0
UL7491322240	4 X 8 AWG	8.35	18	326.3	670.005	32.0
UL7511322220	2 X 6 AWG	13.29	19.4	271.7	687.225	55.0
UL7511322230	3 X 6 AWG	13.29	21.1	407.6	885.465	55.0
UL7511322240	4 X 6 AWG	13.29	23.5	543.4	1128.54	44.0
UL7531322220	2 X 4 AWG	21.14	22.2	422.7	956.655	70.0
UL7531322230	3 X 4 AWG	21.14	23.6	634.1	1211.28	70.0
UL7531322240	4 X 4 AWG	21.14	26.3	845.3	1553.16	56.0
UL7551322220	2 X 2 AWG	26.65	24.7	614.6	1261.995	95.0
UL7551322230	3 X 2 AWG	26.65	26.3	922	1617.735	95.0
UL7551322240	4 X 2 AWG	26.65	30.3	1229.2	2156.595	76.0

Correction Factors at ambinet temp over 30° C

Ambient Temperature	Load rating values of above tables
°C	f
31-40	0.82
41-45	0.71
46-50	0.58

Jacket	**Inches**	**mm**	**mm**	**mm**
Thickness				
Calculated dia of round assembly inches	**Average**	**Min**	**Average**	**Min**
0.7 inch or less	0.03	0.024	0.76	0.61
0.701 -1.0 inch	0.06	0.048	1.52	1.21
1.01 - 1.5 inch	0.08	0.064	2.03	1.62
1.5 to 2.5 inch	1.10	0.088	2.79	2.23

Example to find out Part Number. for SBEE UL 2587 90^{0}C 600 V of 2C X 24 AWG



SBEE UL 2576 FROM -20°C TO +80°C 150 V MULTICORE CABLE

ENERGY STAR RoHS Recyclable

TECHNICAL DATA

- As per UL 758 recognised style for AWM
- Specific Insulation Resistance:>20G Ω x cm
- HV Test Voltage: 1.5 kV
- Conductor Bunching as per UL Standard
- Rated Voltage: U_0/U: 150V
- Temperature Range: Fixed Installation -20°C to +80°C
- Core Test Ref to style No. 1007 80°C & Style No. 1569 80°C

APPLICATIONS

- Used in machine tools, control system, connection between control panels & machines
- External, internal connections or internal wiring

PRODUCT MAKEUP

- Available in Solid/Stranded Electrolytic Grade Oxygen Free Bare Copper conductor
- Multi Stranded in combination to get nearest AWG cross section Size 24 to 16AWG
- Color coded PVC based Core Insulation or Black color numbered cores.
- Outersheath (Black, Grey, Blue Optional)

PRODUCT FEATURES

- Resistant to Acids, Oils, Alkalies, Moisture & Fungus

* Energy efficient product optional and available on request. * Anti-rodent & anti-termite properties optional on request. * In-built UV protection.
* Style applied for certification

Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 300 C
UL8331324120	2 X 24 AWG	0.21	5.61	4.12	34.55	2.00
UL8331324130	3 X 24 AWG	0.21	5.83	6.08	38.75	2.00
UL8331324140	4 X 24 AWG	0.21	6.27	8.14	45.68	1.60
UL8331324160	6 X 24 AWG	0.21	7.15	12.26	61.01	1.60
UL83313241100	10 X 24 AWG	0.21	8.69	20.39	92.19	1.40
UL83313241120	12 X 24 AWG	0.21	8.91	24.41	99.96	1.40
UL83313241160	16 X 24 AWG	0.21	9.79	32.55	122.33	1.40
UL83313241180	18 X 24 AWG	0.21	10.23	36.67	135.03	1.40
UL83313241240	24 X 24 AWG	0.21	11.77	48.82	179.13	1.40
UL8351324120	2 X 22 AWG	0.33	6.27	8.14	45.78	3.00
UL8351324130	3 X 22 AWG	0.33	6.49	12.26	52.61	3.00
UL8351324140	4 X 22 AWG	0.33	7.04	16.27	63.11	2.40
UL8351324160	6 X 22 AWG	0.33	8.14	24.41	86.42	2.40
UL83513241100	10 X 22 AWG	0.33	10.01	40.69	134.09	2.10
UL83513241120	12 X 22 AWG	0.33	10.34	48.82	147	2.10
UL83513241160	16 X 22 AWG	0.33	11.33	65.10	182.6	2.10
UL83513241180	18 X 22 AWG	0.33	11.88	73.23	202.55	2.10
UL83513241240	24 X 22 AWG	0.33	13.75	97.64	271.01	2.10
UL8371324120	2 X 20 AWG	0.52	6.71	12.26	54.92	5.00
UL8371324130	3 X 20 AWG	0.52	6.93	18.33	64.16	5.00
UL8371324140	4 X 20 AWG	0.52	7.59	24.41	77.81	4.00
UL8371324160	6 X 20 AWG	0.52	8.80	36.67	107.94	4.00
UL83713241100	10 X 20 AWG	0.52	10.89	61.08	169.68	3.50
UL83713241120	12 X 20 AWG	0.52	11.22	73.23	187.43	3.50
UL83713241160	16 X 20 AWG	0.52	12.32	97.64	234.78	3.50
UL83713241180	18 X 20 AWG	0.52	12.98	109.90	260.93	3.50
UL83713241240	24 X 20 AWG	0.52	15.07	146.57	350.49	3.50
UL8391324120	2 X 18 AWG	0.82	7.37	16.27	67.62	7.00
UL8391324130	3 X 18 AWG	0.82	7.70	24.41	79.7	7.00
UL8391324140	4 X 18 AWG	0.82	8.36	32.55	97.44	5.60
UL8391324160	6 X 18 AWG	0.82	9.79	48.82	136.71	5.60
UL83913241100	10 X 18 AWG	0.82	12.21	81.37	217.35	4.90
UL83913241120	12 X 18 AWG	0.82	12.54	97.64	240.87	4.90
UL83913241160	16 X 18 AWG	0.82	13.86	130.30	303.03	4.90
UL83913241180	18 X 18 AWG	0.82	14.63	146.57	337.58	4.90
UL83913241240	24 X 18 AWG	0.82	17.05	195.39	455.49	4.90
UL8411324120	2 X 16 AWG	1.31	8.03	24.10	84.42	10.00

Article No.	No of Cores X AWG No.	Cross Section mm2	Approx cable Diameter mm	Cop. Weight KG/km	Approx. Cable weight/kg/km	Current Carrying Capacity @ ambient 300 C
UL8411324130	3 X 16 AWG	1.31	8.36	36.15	101.01	10.00
UL8411324140	4 X 16 AWG	1.31	9.13	48.20	124.74	8.00
UL8411324160	6 X 16 AWG	1.31	10.78	72.31	176.93	8.00
UL84113241100	10 X 16 AWG	1.31	13.53	120.51	284.55	7.00
UL84113241120	12 X 16 AWG	1.31	13.97	144.61	317.1	7.00
UL84113241160	16 X 16 AWG	1.31	15.40	192.82	401.73	7.00
UL84113241180	18 X 16 AWG	1.31	16.28	216.92	448.35	7.00
UL84113241240	24 X 16 AWG	1.31	19.03	289.22	606.59	7.00

Correction Factors at ambinet temp over 30° C

Ambient Temperature	Load rating values of above tables
°C	f
31-40	0.82
41-45	0.71
46-50	0.58

Calculated dia of round assembly inches (mm)	Average	Min	Average	Min
1.00 inch or less	0.03	0.024	0.76	0.61
1.001 - 1.5 inch	0.045	0.036	1.14	0.91
1.501 - 2.5 inch	0.06	0.048	1.52	1.22

Example to find out Part Number, for SBEE UL 2576 80^{0}C 150 V of 2C X 24 AWG