



博尔特（漳州）电缆有限公司
B&T(Zhangzhou) Cable Co., Ltd.

**ELECTRICAL CABLE
PRODUCT CATALOGUE**

Bort Company Profile

B & T (ZHANGZHOU) CABLE CO., LTD., established in 2009, specialises in high technology and special cables. Located at the Longchi Development Zone in Zhangzhou City, Fujian Province, B & T has invested heavily in research and development as well as in the production and sales of products such as halogen-free, high-temperature, fine, and environmentally-friendly cables.

B & T supplies high-quality cables for OEM in a wide range of industries, used in the manufacture of, among others:

- Home Appliances
- Lighting
- Construction Equipment
- Electrical and Electronic Devices
- Motor Cars & Shipping
- Medical Apparatus
- Multimedia and Networking
- Audio-Visual
- Aviation Aerospace
- Satellite Communications

The company runs six automated production lines in its large ultra modern high tech factory, operated and managed under the ISO9001:2008 standard. B & T produces over 300,000 km of cables every year, more than 90% of which are exported for use by top manufacturers around the world. The company has received UL, VDE, CCC and PSE certification for its products, which are also compliant with ROHS and REACH standards.

With its devotion to finding new materials and harnessing new technology, the company takes pride in developing cables to meet specific customer requirements.

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Factory Facilities



Product Categories

I. Halogen Wire

1. AWM (Appliance Wiring Material)

UL1007, UL1011, UL1013, UL1015, UL1017, UL1019, UL1020, UL1021, UL1022, UL1023, UL1024, UL1026, UL1027, UL1028, UL1030, UL1032, UL1034, UL1035, UL1037, UL1039, UL1041, UL1043, UL1045, UL1047, UL1049, UL1051, UL1053, UL1054, UL1055, UL1056, UL1058, UL1059, UL1061, UL1062, UL1063, UL1065, UL1072, UL1095, UL1099, UL1115, UL1116, UL1120, UL1122, UL1123, UL1124, UL1125, UL1146, UL1148, UL1152, UL1158, UL1160, UL1161, UL1165, UL1185, UL1186, UL1275, UL1283, UL1354, UL1385, UL1429, UL1430, UL1431, UL1497, UL1509, UL1568, UL1569, UL1571, UL1581, UL1605, UL1617, UL1618, UL1650, UL1672, UL1673, UL1674, UL1685, UL1692, UL1743, UL1953, UL2405, UL2444, UL2463, UL2464, UL2468, UL2474, UL2562, UL2569, UL2586, UL2651, UL2661, UL2725, UL2726, UL2733, UL2835, UL2845, UL2851, UL2854, UL2877, UL2990, UL10002, UL20080, UL20127, UL20207, UL20276, UL20288, UL20327, UL20379, UL20549, UL20866, UL3314, UL3315, UL3317, UL3443, UL3454, etc.

2. Flexible Cord

a) Chinese CCC Certificate

60227 IEC 01(BV), 60227 IEC 02(RV), 60227 IEC 05(BV), 60227 IEC 06(RV), 60227 IEC 07(BV-90), 60227 IEC 08(RV-90), 60227 IEC 10 (BVV), 60227 IEC 43(SVR), 60227 IEC 52(RVV), 60227 IEC 53(RVV), 60227 IEC 56(RVV-90), 60227 IEC 57(RVV-90), 60227 IEC 74(RVVP), 60227 IEC 75(RVVY), BV, BVR, BVV, BVVB, RVS, AV, AVR, AVR-B, AV-90, AVR-90, AVP, RVP, RVVP, RVP-90, AVP-90

b) US Standard UL Certificate and CSA Certificate

SJE, SJE0, SJE00, SJE0W, SJE00W, SJT, SJTE, SJT0, SJT0W, SRDT, SVE, SVE0, SVE00, SVT, SVT0, SVT00, ST, STW, ST0, ST0W, SPT-1, SPT-1W, SPT-2, SPT-2W, SPT-3, NISPT-1, NISPT-2, NISPT-3

c) Japanese Standard: VCT, VCTF, VCTFK, VFF, VSF

d) German Standard: H03VV-F, H05VV-F, H05V2-K, H05V2-U, H07V2-K, H07V2-U

e) Australian Standard : F250, P250, T250, F440, R440, R600

3. Automotive Wire

a) Chinese Standard: QVR, QVR-105, QB, QBC, QVVR

b) Japanese Standard: AV, AVS, AVSS, AVX

c) US Standard: GPT, TWP

d) German Standard: FLR, FLRY, FLYM

e) Italian Standard: T2-105

4. Coaxial Cable

RG, SYV-50-2, SYV-50-3, SYV-50-5, SYV-50-7, SYV-50-9, SYV-75-3, SYV-75-5, SYV-75-7, SYV-75-9, SYV-75-12

5. Multimedia Cable

HDMI, MINI HDMI, DVI cable, USB2.0, USB3.0

6. Medical Cable

Ultrasound cable□Endoscope cable, Medical sensor cable

7. Heating Cable

II. Halogen free Cable

1. AWM (Appliance Wiring Material)

a) FRPE/PE/MPPE-PE Cable

UL1067, UL1112, UL1167, UL1354, UL1375, UL1769, UL1789, UL1846, UL1856, UL1870, UL1871, UL1903, UL1920, UL1921, UL1922, UL1926, UL1973, UL10063, UL10113, UL10137, UL10138, UL10212, UL10239, UL10286, UL10309, UL10446, UL10450, UL10476, UL10477, UL10496, UL10498, UL10513, UL10533, UL10551, UL10602, UL10603, UL10794, UL10795, UL10796, UL10797, UL10798, UL10799, UL10800, UL10801, UL10802, UL10803, UL10804, UL10805, UL10981, UL10982, UL10983, UL10984, UL10985, UL10986,

UL10987, UL10992, UL10993, UL11004, UL11005, UL11006, UL11007, U11025, UL11026, UL11027, UL11028, UL11029, UL11030, UL11041, UL11042, UL11043, UL11044, UL11045, UL11046, UL11047, UL11048, UL2084, UL2333, UL2364, UL2440, UL2601, UL2751, UL20416, UL20426, UL20749, U20788, UL20850, UL20851, UL20854, UL20855, UL20868, UL21064, UL21080, UL21088, UL21089, UL21099, UL21100, UL21101, UL21115, UL21118, UL21119, UL21120, UL21130, UL21143, UL21145, UL21303, UL21304, UL21305, UL21306, UL21307, UL21308, UL21309, UL21310, UL21311, UL21416, UL21451, UL21452, UL21453, UL21454, UL21455, UL21456, UL21457, UL21458, UL21460, UL21461, UL21462, UL21472, UL21473, UL21474, UL21475, UL21476, UL21503, UL21504, UL21505, UL21506, UL21507, UL21508, UL21509, UL21510, UL21511, UL21512, UL21515, UL21516, UL21517, UL21518

b) XLPE Cable

UL1505, UL1763, UL1805, UL3167, UL3173, UL3182, UL3194, UL3195, UL3196, UL3199, UL3239, UL3265, UL3266, UL3271, UL3272, UL3275, UL3286, UL3287, UL3289, UL3290, UL3295, UL3296, UL3297, UL3298, UL3300, UL3302, UL3320, UL3321, UL3331, UL3343, UL3344, UL3347, UL3348, UL3351, UL3352, UL3363, UL3364, UL3368, UL3376, UL3377, UL3385, UL3386, UL3406, UL3413, UL3415, UL3417, UL3423, UL3424, UL3435, UL3436, UL3439, UL3440, U3442, U3448, UL3449, U3452, UL3469, UL3492, UL3493, UL3496, UL3500, UL3510, UL3567, UL3569, UL3578, UL3581, UL3592, UL3593, UL3594, UL3597, UL3598, UL3599, UL3607, UL3619, UL3623, UL3626, UL3631, UL3635, UL3649, UL3652, UL3666, UL3688, UL4288, UL4289, UL4311, UL4312, UL4313, UL4398, UL4407, UL4417, UL4465, UL4470, UL4471, UL4478, UL4486, UL10266, UL10267, UL10368, UL10369, UL10461, UL10936, UL10937, UL10938, UL10939, UL10940, UL10941, UL10945, UL10946, UL10947, UL10948, UL10949, UL10950, UL20007, UL20008, UL20009, UL20010, UL20011, UL21016, UL21073, UL21074, UL21398, UL21399, UL21400, UL21401, UL21402, UL21403, UL21404, UL21405, UL21406, UL21407, UL21408, UL21409, UL21410, UL21411, UL21412, UL21413, UL21414, UL21415

c) Silicone Cable

1) US Standard: UL3068, UL3069, UL3071, UL3074, UL3075, UL3122, UL3123, UL3130, UL3132, UL3133, UL3134, UL3135, UL3136, UL3137, UL3138, UL3140, UL3141, UL3142, UL3172, UL3212, UL3213, UL3219, UL3222, UL3223, UL3239, UL3350, UL3367, UL3512, UL3529, UL3530,

2) German Standard: H05S-K, H05SS-K, H05SJ-K

d) PU Cable

UL20170, UL20197, UL20233, UL20234, UL20236, UL20254, UL20350, UL20351, UL20352, UL20475, UL20567, UL 20640, UL20733, UL20954, UL21139, UL21140, UL21142

2. Flexible Cord

a) Rubber Cable

I) US Standard: FFH-2, RFH-2, HPD, HPN, SJ0, SJ0W, SJ00, SJ00W

II) Chinese Standard: 245 IEC 51(RX), 245 IEC 53(YZ), 245 IEC 57(YZW), 245 IEC 66(YCW), RXH, YQ, RXS, YQW, YC, YCW

III) German Standard: H03RT-H, H05RR-F, H05RN-F, H07RN-F

IV) Japanese Standard: EPPFF, NNFF, PNCTFK

b) XLPE Cable

Japanese Standard: EM-CSF, EM-CFF, EM- CCTFK, EM-CCTF

3. Vehicle Cable

a) Japanese Standard: AEX

b) US Standard: SXL, GXL, TXL

c) Italian Standard: T3-125

4. PV Cable

a) Japanese Standard: HFEMCE/F-001, HFEMCE/F-002, HFEMCE/F-003, HFEMCE/F-004, HFEMCE/F-005, HFEMCE/F-006

b) US Standard: HFPV-001, HFPV-002, HFPV-003, HFPV-004, HFPV-005

c) German Standard: PV1-F

III. Teflon Cable

1) US Standard: UL1330, UL1331, UL1332, UL1333, UL1591, UL1592, UL1709, UL1710, UL1726, UL1727, UL1858, UL1859, UL1860, UL1901, UL10362, UL10486, TEW-B, TEW-F, TEW-H, TEW-N

2) German Standard: ETFE-101, PTFE-101, FEP-101, FEP-102, PFA-101, PFA-102 etc.

UL1007 | HOOK-UP Wire

PRODUCT DESCRIPTION

- Rated temperature: 80°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor 32-16AWG
- PVC insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For general purpose internal wiring of appliances



Conductor		Finished Product			Maximum Resistance at 20°C
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
30	7/0.1	0.41	1.10	610	354.33
28	7/0.127	0.41	1.20	610	223.75
26	7/0.16	0.41	1.30	610	139.76
24	11/0.16	0.41	1.40	610	88.36
22	17/0.16	0.41	1.60	610	60.16
20	26/0.16	0.41	1.80	610	38.58
18	41/0.16	0.41	2.10	610	22.98
16	26/0.254	0.41	2.40	610	15.06
28	1/0.320	0.41	1.15	610	227.39
26	1/0.404	0.41	1.25	610	142.79
24	1/0.511	0.41	1.35	610	89.39
22	1/0.643	0.41	1.50	610	54.30
20	1/0.813	0.41	1.65	610	33.90
18	1/1.024	0.41	1.85	610	21.40

UL1015 | HOOK-UP Wire

PRODUCT DESCRIPTION

- Rated temperature: 105°C
- Rated voltage: 600V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor 30-3/0AWG
- PVC insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For general purpose internal wiring of appliances

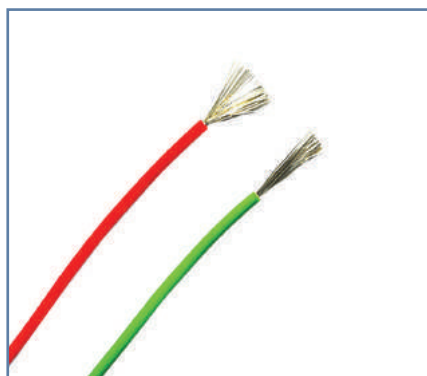


Conductor		Finished Product			Maximum Resistance at 20°C
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
30	7/0.1	0.79	1.90	610	354.33
28	7/0.127	0.79	2.00	610	223.75
26	7/0.16	0.79	2.05	610	139.76
24	11/0.16	0.79	2.20	610	88.36
22	17/0.16	0.79	2.40	610	60.16
20	26/0.16	0.79	2.55	610	38.58
18	41/0.16	0.79	2.75	610	22.98
16	26/0.254	0.79	3.10	305	15.06
14	41/0.254	0.79	3.50	305	9.65
12	65/0.254	0.79	3.95	305	6.07
10	65/0.320	0.79	5.00	305	3.73
8	55/0.45	1.20	6.50	305	2.23
26	1/0.404	0.79	2.00	610	142.79
24	1/0.511	0.79	2.10	610	89.39
22	1/0.643	0.79	2.25	610	54.30
20	1/0.813	0.79	2.40	610	33.90
18	1/1.024	0.79	2.65	610	21.40

UL1430 | Irradiated PVC Insulated

PRODUCT DESCRIPTION

- Rated temperature: 105°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor 30-16AWG
- XL-PVC insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For internal wiring of appliances

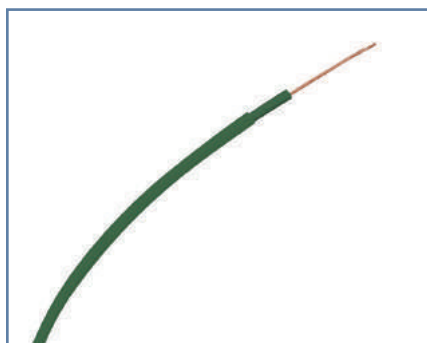
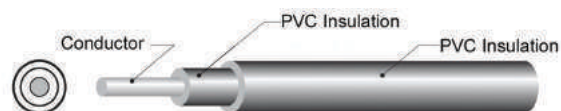


Conductor		Finished Product			Maximum Resistance at 20°C Ω/mm
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
30	7/0.1	0.41	1.10	610	354.33
28	7/0.127	0.41	1.20	610	223.75
26	7/0.16	0.41	1.30	610	139.76
24	11/0.16	0.41	1.40	610	88.36
22	17/0.16	0.41	1.60	610	60.16
20	26/0.16	0.41	1.80	610	38.58
18	41/0.16	0.41	2.10	610	22.98
16	26/0.254	0.41	2.40	610	15.06
28	1/0.320	0.41	1.15	610	227.39
26	1/0.404	0.41	1.25	610	142.79
24	1/0.511	0.41	1.35	610	89.39
22	1/0.643	0.41	1.50	610	54.30
20	1/0.813	0.41	1.65	610	33.90
18	1/1.024	0.41	1.85	610	21.40

UL1672 | Reinforced Hook-up Wire

PRODUCT DESCRIPTION

- Rated temperature: 105°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor
- PVC insulation
- PVC jacket
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For internal wiring of appliances

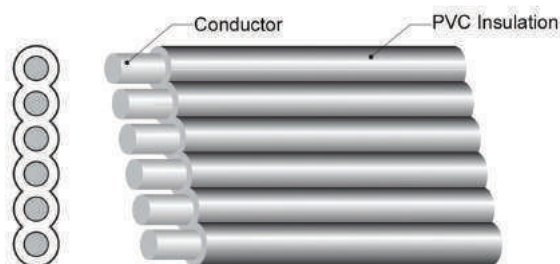


Conductor		Finished Products			Maximum Resistance at 20°C
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
28	7/0.127	0.45	0.45	2.20	223.75
26	7/0.16	0.45	0.45	2.30	139.76
24	11/0.16	0.45	0.45	2.40	88.36
22	17/0.16	0.45	0.45	2.60	60.16
20	26/0.16	0.45	0.45	2.80	38.58
18	41/0.16	0.45	0.45	3.00	22.98
16	26/0.254	0.45	0.45	3.30	15.06
14	41/0.254	0.45	0.45	3.70	9.65
12	65/0.254	0.45	0.45	4.20	6.07
28	1/0.320	0.45	0.45	2.12	227.39
26	1/0.404	0.45	0.45	2.20	142.79
24	1/0.511	0.45	0.45	2.31	89.39
22	1/0.643	0.45	0.45	2.44	54.30
20	1/0.813	0.45	0.45	2.61	33.90
18	1/1.024	0.45	0.45	2.82	21.40

UL2468 | Flat Ribbon Wire

PRODUCT DESCRIPTION

- Rated temperature: 80°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor 32-16AWG
- PVC insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For general purpose internal wiring of appliance

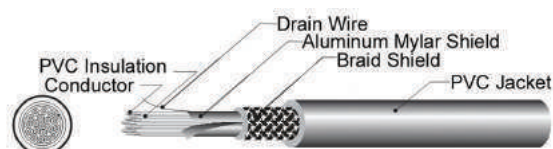


		Finished Products			Maximum Resistance at 20°C
AWG/ NO.OFCOND	No. of Cond /mm	Insulation Thickness mm	Outside Dia. mm	Packing m/r	
30×2C	7/0.1	0.45	1.20×2.50	610	354.33
28×2C	7/0.127	0.45	1.30×2.70	610	223.75
26×2C	7/0.16	0.45	1.40×2.90	610	139.76
24×2C	11/0.16	0.45	1.50×3.10	610	88.36
22×2C	17/0.16	0.45	1.70×3.50	610	60.16
20×2C	26/0.16	0.45	1.90×3.90	305	38.58
18×2C	41/0.16	0.45	2.10×4.30	305	22.98
16×2C	26/0.254	0.45	2.40×4.90	305	15.06

UL2464 | Double Shilded Computer Cable

PRODUCT DESCRIPTION

- Rated temperature: 80°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Stranded, tinned or bare copper conductor
- PVC insulation
- Cores cabled under AL-MYLAR shield
- Tinned or bare stranded copper drain wire
- Tinned or bare stranded copper wire overall more than 80% coverage braided shield
- PVC jacket
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Sound broadcasting, audio, instrumentation & computers

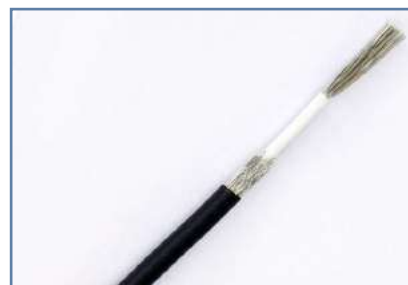
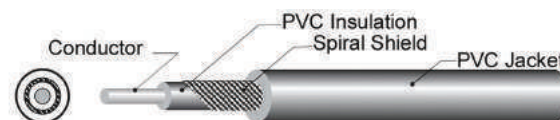


Conductor		Finished Products			
AWG/ NO. OF COND	No. of Cond No./mm	Insulation Thickness mm	Braid shield m/n/d	Jacket Thickness mm	Outside Thickness mm
24×2C	11/0.16	0.25	16/4/0.10	0.80	4.35
24×3C	11/0.16	0.25	16/4/0.10	0.80	4.50
24×4C	11/0.16	0.25	16/5/0.10	0.80	4.80
24×5C	11/0.16	0.25	16/6/0.10	0.80	5.10
24×6C	11/0.16	0.25	16/6/0.10	0.80	5.45
24×7C	11/0.16	0.25	16/6/0.10	0.80	5.50
22×2C	17/0.16	0.25	16/5/0.10	0.80	4.75
22×3C	17/0.16	0.25	16/6/0.10	0.80	4.95
22×4C	17/0.16	0.25	16/6/0.10	0.80	5.30
22×5C	17/0.16	0.25	16/7/0.10	0.80	5.65
22×6C	17/0.16	0.25	16/8/0.10	0.80	6.05
22×7C	17/0.16	0.25	16/8/0.10	0.80	6.10

UL1185 | Single Conductor Shielded Wire

PRODUCT DESCRIPTION

- Rated temperature: 80°C
- Rated voltage: 300V
- According to: UL Subject 758, UL 1581, C22.2
- Solid or stranded, tinned or bare copper conductor
- PVC insulation
- Tinned or bare stranded copper spiral shield
- PVC jacket
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Sound broadcast, audio, instrumentation & computers



Conductor		Finished Products			
AWG/ NO. OF COND	No. of Cond No./mm	Insulation Thickness mm	Braid shield m/n/d	Jacket Thickness mm	Outside Thickness mm
30	7/0.1	0.41	32/0.10	0.40	2.10
28	7/0.127	0.41	34/0.10	0.40	2.20
26	7/0.16	0.41	37/0.10	0.40	2.30
24	11/0.16	0.41	40/0.10	0.40	2.40
22	17/0.16	0.41	45/0.10	0.40	2.60
20	26/0.16	0.41	50/0.10	0.40	2.80
18	41/0.16	0.41	58/0.10	0.40	3.10
16	26/0.254	0.41	66/0.10	0.40	3.40
28	1/0.320	0.41	33/0.10	0.40	2.15
26	1/0.404	0.41	36/0.10	0.40	2.25
24	1/0.511	0.41	38/0.10	0.40	2.35
22	1/0.643	0.41	42/0.10	0.40	2.50
20	1/0.813	0.41	46/0.10	0.40	2.65
18	1/1.024	0.41	51/0.10	0.40	2.85

UL10368 | Halogen Free Crosslinked Wire

PRODUCT DESCRIPTION

- Rated temperature: 105°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor 40-10AWG
- XLPE insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For general purpose internal wiring of appliances

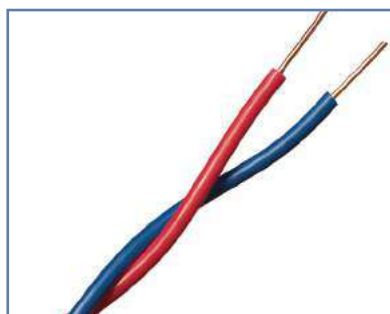


Conductor		Finished Products			Maximum Resistance at 20°C Ω/mm
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
30	7/0.1	0.25	0.80	1220	354.33
28	7/0.127	0.25	0.90	1220	223.75
26	7/0.16	0.25	1.00	1220	139.76
24	11/0.16	0.25	1.10	1220	88.36
22	17/0.16	0.25	1.30	610	60.16
20	26/0.16	0.25	1.50	610	38.58
18	41/0.16	0.25	1.70	610	22.98
16	26/0.254	0.25	2.00	610	15.06
28	1/0.320	0.25	0.85	1220	227.39
26	1/0.404	0.25	0.95	1220	142.79
24	1/0.511	0.25	1.05	1220	89.39
22	1/0.643	0.25	1.15	1220	54.30
20	1/0.813	0.25	1.35	610	33.90
18	1/1.024	0.25	1.55	610	21.40

UL3385 | Halogen Free Crosslinked Wire

PRODUCT DESCRIPTION

- Rated temperature: 105°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor 32-16AWG
- XLPE insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For general purpose internal wiring of appliances



Conductor		Finished Products			Maximum Resistance at 20°C Ω/mm
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
30	7/0.1	0.41	1.10	610	354.33
28	7/0.127	0.41	1.20	610	223.75
26	7/0.16	0.41	1.30	610	139.76
24	11/0.16	0.41	1.40	610	88.36
22	17/0.16	0.41	1.60	610	60.16
20	26/0.16	0.41	1.80	610	38.58
18	41/0.16	0.41	2.10	610	22.98
16	26/0.254	0.41	2.40	610	15.06
28	1/0.320	0.41	1.15	610	227.39
26	1/0.404	0.41	1.25	610	142.79
24	1/0.511	0.41	1.35	610	89.39
22	1/0.643	0.41	1.50	610	54.30
20	1/0.813	0.41	1.65	610	33.90
18	1/1.024	0.41	1.85	610	21.40

UL3266 | Halogen Free Crosslinked Wire

PRODUCT DESCRIPTION

- Rated temperature: 125°C
- Rated voltage: 300V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor 32-10AWG
- XLPE insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For general purpose internal wiring of appliances

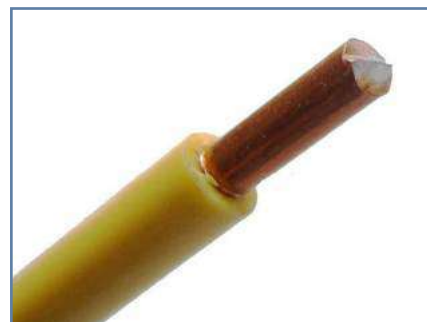


Conductor		Finished Product			Maximum Resistance at 20°C
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
30	7/0.1	0.41	1.10	610	354.33
28	7/0.127	0.41	1.20	610	223.75
26	7/0.16	0.41	1.30	610	139.76
24	11/0.16	0.41	1.40	610	88.36
22	17/0.16	0.41	1.60	610	60.16
20	26/0.16	0.41	1.80	610	38.58
18	41/0.16	0.41	2.10	610	22.98
16	26/0.254	0.41	2.40	610	15.06
28	1/0.320	0.41	1.15	610	227.39
26	1/0.404	0.41	1.25	610	142.79
24	1/0.511	0.41	1.35	610	89.39
22	1/0.643	0.41	1.50	610	54.30
20	1/0.813	0.41	1.65	610	33.90
18	1/1.024	0.41	1.85	610	21.40

UL3302 | Halogen Free Crosslinked Wire

PRODUCT DESCRIPTION

- Rated temperature: 105°C
- Rated voltage: 30V
- According to: UL Subject 758, UL1581, C22.2
- Solid or stranded, tinned or bare copper conductor
- XLPE insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- For general purpose internal wiring of appliances



Conductor		Finished Product			Maximum Resistance at 20°C
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
30	7/0.1	0.16	0.56	1220	354.33
28	7/0.127	0.24	0.81	1220	223.75
26	7/0.16	0.30	1.10	610	139.76

UL10005 | Micro Coaxial Cables-PFA Jacket

PRODUCT DESCRIPTION

- Rated temperature: 80°C
- Rated voltage: 30V
- According to: UL Subject 758, UL 1581, C22.2
- Solid or stranded, SPTCA/TPTCA conductor
- PFA insulation
- SPTCA/TPTCA conductor shield
- PFA jacket
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Sound broadcasting, audio, instrumentation & computers



Conductor		Finished Product			Maximum Resistance at 20°C
AWG	No. of Cond mm	Insulation Thickness mm	Outside Thickness mm	Packing m/r	
46	7/0.016	0.12	0.17	0.025	0.22
44	7/0.02	0.13	0.18	0.025	0.23
44	7/0.02	0.15	0.21	0.025	0.26
44	7/0.02	0.15	0.21	0.025	0.26
42	7/0.025	0.17	0.23	0.025	0.28
42	7/0.025	0.17	0.23	0.025	0.28
42	7/0.025	0.18	0.24	0.025	0.31
40	7/0.03	0.24	0.30	0.025	0.35
40	7/0.03	0.24	0.30	0.025	0.35
36	7/0.05	0.27	0.33	0.025	0.38
36	7/0.05	0.27	0.33	0.025	0.38

UL10064 | High-temperature Mini Hook-up Wire

PRODUCT DESCRIPTION

- Rated temperature: 105°C
- Rated voltage: 30V
- According to: UL Subject 758, UL 1581, C22.2
- Stranded tinned copper conductor
- PFA/FEP insulation
- Passes UL VW-1 & CSA FT1 vertical flame test
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Sound broadcasting, audio, instrumentation & computers

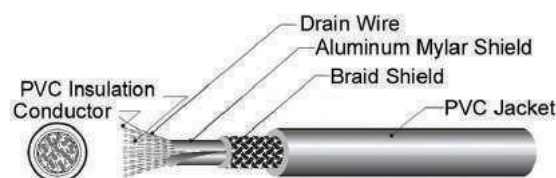


Conductor		Finished Product	
AWG	No. of Cond	Insulation Thickness	Outside Thickness
	mm	mm	mm
40	7/0.03	0.045	0.18
40	7/0.03	0.06	0.21
40	7/0.03	0.06	0.21
38	7/0.04	0.045	0.21
38	7/0.04	0.06	0.24
38	7/0.04	0.06	0.24
36	7/0.05	0.06	0.28
36	19/0.03	0.06	0.28
36	19/0.03	0.06	0.28
34	7/0.06	0.07	0.32
34	19/0.04	0.06	0.32
32	7/0.08	0.07	0.38
32	19/0.05	0.07	0.38
30	7/0.10	0.10	0.50
30	19/0.06	0.10	0.50
28	7/0.127	0.11	0.60
28	19/0.08	0.10	0.60

UL 20276 | 42-30AWG Mini HDMI

PRODUCT DESCRIPTION

- Rated temperature: 80°C
- Rated voltage: 30V
- According to: UL Subject 758, UL 1581, C22.2
- Solid or stranded, tinned conductor
- PFA/FEP/PP insulation
- Cores cabled under AL-MYLAR shield
- Tinned or bare stranded copper drain wire
- Tinned or bare stranded copper wire overall with more than 80% coverage braided shield
- PVC jacket
- Passes UL VW-1&CSA FT1 vertical flame test

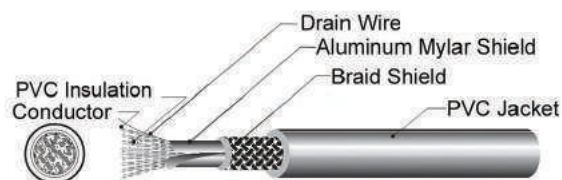


Conductor			Finished Product			
AWG	No. of Cond	No./mm	Insulated Thickness /mm	Braid shield m/n/d	Jacket Thickness /mm	Outside Thickness
42	4P	1/0.065	0.05	34/0.10	0.42	2.10
	7C	1/0.065	0.05			
42	4P	7/0.025	0.05	34/0.10	0.42	2.10
	7C	7/0.025	0.05			
40	5P	7/0.03	0.06	16/5/0.06	0.45	2.60
	4C	7/0.03	0.06			
36	5P	7/0.05	0.125	16/8/0.08	0.40	3.80
	4C	7/0.05	0.125			
36	5P	7/0.05	0.125	16/8/0.08	0.40	4.00
	4C	7/0.05	0.125			
34	5P	7/0.06	0.16	16/8/0.05	0.45	4.30
	4C	7/0.06	0.16			
34	5P	7/0.06	0.18	16/8/0.05	0.45	4.50
	4C	7/0.06	0.18			
32	5P	7/0.08	0.22	16/9/0.10	0.51	5.50
	4C	7/0.08	0.13			
30	5P	7/0.10	0.24	16/10/0.10	0.51	6.00
	4C	7/0.10	0.12			

UL 20276 | 36-30AWG Mini HDMI USB3.0 Cable

PRODUCT DESCRIPTION

- Rated temperature:80°C
- Rated voltage:30V
- Reference standard: UL Subject 758,UL1581,USB3.0 specification
- Stranded bare or tinned copper conductor
- FEP or Foam PE insulation
- Shielded with Al-Myar and braiding
- Lead-free PVC or Frpe jacket
- Flammability grade: UL VW-1 & CSAFT1 vertical flame tested



Conductor			Finished Product			
AWG	No. of Cond	No./mm	Insulated Thickness /mm	Braid shield m/n/d	Jacket Thickness /mm	Outside Thickness
36	2P	7/0.05	0.10	16/8/0.06	0.51	3.30
	1P	7/0.08	0.11			
	2C	7/0.127	0.12			
34	2P	7/0.06	0.13	16/8/0.06	0.51	3.60
	1P	7/0.08	0.11			
	2C	7/0.127	0.12			
32	2P	7/0.08	0.18	16/8/0.08	0.51	4.10
	1P	7/0.08	0.11			
	2C	7/0.127	0.12			
30	2P	7/0.10	0.21	16/8/0.10	0.51	4.50
	1P	7/0.10	0.12			
	2C	7/0.127	0.12			

AEX | Japanese Automobile Wire

PRODUCT DESCRIPTION

- Rated temperature: 120°C
- According to JASO D 608-92
- Stranded, tinned or bare copper conductor 0.5-8mm²
- Cross linked polyethylene(XLPE) insulated
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Resistant to oil, ozone and abrasion
- Internal wiring in automobile where high flexibility thermo and mechanical strength are required



Conductor		Finished Products			Maximum Resistance at 20°C
Cross Sectional Area	No. of Cond	Insulation Thickness	Outside Thickness	Weight	
mm ²	No./mm	mm	mm	kg/km	Ω/mm
0.5F	20/0.18	0.5	2.0	8.52	38.6
0.5	7/0.32	0.5	2.0	8.93	34.6
0.75F	30/0.18	0.5	2.2	11.43	25.8
0.85	11/0.32	0.5	2.2	12.35	22.0
1.25F	50/0.18	0.6	2.7	18.14	15.5
1.25	16/0.32	0.6	2.7	18.25	15.1
2	26/0.32	0.6	3.1	27.06	9.3
3	41/0.32	0.7	3.8	41.84	5.9
5	65/0.32	0.8	4.6	64.32	3.72
8	50/0.45	0.8	5.3	93.07	2.45

Note: The "F" in the table indicates that the conductor is a soft structure.

AVS | Japanese Automobile Wire**PRODUCT DESCRIPTION**

- Rated temperature: 70°C
- According to JASO D 611-94
- Stranded, tinned or bare copper conductor
- PVC insulation
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Resistant to oil and abrasion
- Internal wiring in automobile where high flexibility thermo and mechanical strength are required



Conductor		Finished Product			Maximum Resistance at 20°C
Cross Sectional Area	No. of Cond	Insulation Thickness	Outside Thickness	Weight	
mm ²	No./mm	mm	mm	kg/km	Ω/mm
0.3	7/0.26	0.5	1.8	6.59	50.20
0.5	7/0.32	0.5	2.0	8.93	32.70
0.85	16/0.26	0.5	2.2	12.08	22.00
0.85	11/0.32	0.5	2.2	12.35	20.80
1.25	16/0.32	0.5	2.5	17.04	14.30
2	26/0.32	0.5	2.9	25.66	8.81
3	41/0.32	0.6	3.6	40.12	5.59
5	65/0.32	0.7	4.4	62.22	3.52
0.3F	15/0.18	0.5	1.8	6.67	48.90
0.5F	20/0.18	0.5	2.0	8.52	36.70
0.75F	30/0.18	0.5	2.2	11.43	24.40
1.25F	50/0.18	0.5	2.5	16.93	14.70
2F	37/0.26	0.5	2.9	24.7	9.50

Note: The "F" in the table indicates that the conductor is a soft structure.

AVSS | Japanese Automobile Wire

PRODUCT DESCRIPTION

- Rated temperature: 70°C
- According to JASO D 611-94
- Stranded, tinned or bare copper conductor
- PVC insulation
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Resistant to oil and abrasion
- Internal wiring in automobile where high flexibility thermo and mechanical strength are required



Conductor		Finished Product			Maximum Resistance at 20°C
Cross Sectional Area	No. of Cond	Insulation Thickness	Outside Thickness	Weight	
mm ²	No./mm	mm	mm	kg/km	Ω/mm
0.3	7/0.26	0.3	1.4	5.1	50.20
0.5	7/0.32	0.3	1.6	7.25	32.70
0.85	19/0.24	0.3	1.8	10.3	21.70
0.85	7/0.4	0.3	1.8	10.45	20.80
1.25	19/0.29	0.3	2.1	14.66	14.90
2	19/0.37	0.4	2.7	24.0	9.00
0.3F	19/0.16	0.3	1.4	5.18	48.80
0.5F	19/0.19	0.3	1.6	7.07	34.60
0.75F	19/0.23	0.3	1.8	9.76	23.60
1.25F	37/0.21	0.3	2.1	14.86	14.60
2F	37/0.26	0.4	2.6	22.78	9.50

Note: The "F" in the table indicates that the conductor is a soft structure.

FLRY-A | German Automobile Wire

PRODUCT DESCRIPTION

- Rated temperature: 90°C
- According to DIN72551-6/1996
- Concentric stranded, tinned or bare copper conductor
- PVC insulation
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Resistant to oil, heat and abrasion
- Internal wiring in automobile where high flexibility thermo and mechanical strength are required



Conductor		Finished Products			Maximum Resistance at 20°C
Cross Sectional Area	No. of Cond	Insulation Thickness	Outside Thickness	Weight	
mm ²	No./mm	mm	mm	kg/km	Ω/mm
0.22	7/0.21	0.3	1.20	3.52	84.80
0.35	7/0.26	0.3	1.30	4.79	52.00
0.5	19/0.19	0.3	1.60	7.07	37.21
0.75	19/0.23	0.3	1.90	10.19	24.70
1	19/0.26	0.4	2.10	12.79	18.50
1.5	19/0.32	0.4	2.40	18.31	12.70

FLRY-B | German Automobile Wire

PRODUCT DESCRIPTION

- Rated temperature: 90°C
- According to DIN72551-6/1996
- Bunch stranded, tinned or bare copper conductor
- PVC insulation
- Uniform insulation thickness of wire to ensure easy stripping and cutting
- Resistant to oil, heat and abrasion
- Internal wiring in automobile where high flexibility thermo and mechanical strength are required



Conductor		Finished Product			Maximum Resistance at 20°C
Cross Sectional Area	No. of Cond	Insulation Thickness	Outside Thickness	Weight	
mm ²	No./mm	mm	mm	kg/km	Ω/mm
0.35	12/0.21	0.3	1.40	5.44	52.00
0.5	16/0.21	0.3	1.60	7.19	37.10
0.75	24/0.21	0.3	1.90	10.51	24.70
1	32/0.21	0.4	2.10	13.55	18.50
1.5	30/0.26	0.4	2.40	18.8	12.70
2.5	50/0.26	0.4	3.00	30.63	7.60
4	56/0.31	0.5	3.70	48.03	4.70

Conductor Gauge Reference Table

Size of Conductor AWG	Diameter of Solid Conductor				Cross-Sectional Area of Stranded Conductor			
	Nominal		Minimum		Nominal		Minimum	
	Mils	mm	Mils	mm	Cmils	mm2	Cmils	mm2
4/0	460.0	11.68	455	11.56	211600	107.2	207368	105.1
3/0	409.6	10.40	406	10.31	167800	85.01	164444	83.31
2/0	364.8	9.226	361	9.17	133100	67.43	130438	66.08
1/0	324.9	8.252	322	8.18	105600	53.49	103488	52.42
1	289.3	7.348	286	7.26	83690	42.41	82016	41.56
2	257.6	6.543	255	6.48	66360	33.62	65033	32.95
3	229.4	5.827	227	5.77	52620	26.67	51568	26.14
4	204.3	5.189	202	5.13	41740	21.15	40905	20.73
5	181.9	4.620	180	4.57	33090	16.77	32428	16.43
6	162.0	4.115	160	4.06	26240	13.30	25715	13.03
7	144.3	3.665	143	3.63	20820	10.55	20404	10.34
8	128.5	3.264	127	3.23	16510	8.367	16180	8.20
9	114.4	2.906	113	2.87	13090	6.631	12828	6.50
10	101.9	2.588	101	2.57	10380	5.261	10172	5.16
11	90.7	2.30	90	2.29	8230	4.17	8065	4.09
12	80.8	2.05	80	2.03	6530	3.31	6399	3.24
13	72.0	1.83	71	1.80	5180	2.63	5076	2.58
14	64.1	1.63	63.5	1.613	4110	2.08	4028	2.04
15	57.1	1.45	56.5	1.435	3260	1.65	3195	1.62
16	50.8	1.29	50.3	1.278	2580	1.31	2528	1.28
17	45.3	1.15	44.9	1.140	2050	1.04	2009	1.02
18	40.3	1.02	40.0	1.016	1620	0.823	1588	0.807
19	35.9	0.912	35.6	0.904	1290	0.653	1264	0.641
20	32.0	0.813	31.7	0.805	1020	0.519	1000	0.509
21	28.5	0.724	28.2	0.716	812	0.412	796	0.404
22	25.3	0.643	25.0	0.635	640	0.324	627	0.318
23	22.6	0.574	22.4	0.569	511	0.259	501	0.254
24	20.1	0.511	19.9	0.506	404	0.205	396	0.201
25	17.9	0.455	17.7	0.450	320	0.162	314	0.159
26	15.9	0.404	15.7	0.399	253	0.128	248	0.126
27	14.2	0.361	14.1	0.358	202	0.102	198	0.100
28	12.6	0.320	12.5	0.318	159	0.0804	156	0.0790
29	11.3	0.287	11.2	0.284	128	0.0647	125	0.0633
30	10.0	0.254	9.9	0.251	100	0.0507	98	0.0497
31	8.9	0.226	8.81	0.224	79.2	0.0401	77.6	0.0393
32	8.0	0.203	7.92	0.201	64.0	0.0324	62.7	0.0318
33	7.1	0.180	7.03	0.179	50.4	0.0255	49.4	0.0250
34	6.3	0.160	6.24	0.158	39.7	0.020	38.9	0.0197
35	5.6	0.142	5.54	0.141	31.4	0.0159	30.8	0.0156
36	5.0	0.127	4.95	0.126	25.0	0.0127	24.5	0.0124
37	4.5	0.114	4.46	0.113	20.2	0.0103	19.8	0.0100
38	4.0	0.102	3.96	0.101	16.0	0.00811	15.7	0.00796
39	3.5	0.089	3.47	0.088	12.2	0.00621	11.9	0.00603
40	3.1	0.079	3.07	0.078	9.61	0.00487	9.42	0.00477
41	2.8	0.071	2.77	0.070	7.84	0.00397	7.68	0.00389
42	2.5	0.064	2.48	0.063	6.25	0.00317	6.13	0.003115
43	2.2	0.056	2.18	0.055	4.84	0.00245	4.74	0.00240
44	2.0	0.051	1.98	0.050	4.00	0.00203	3.92	0.00198
45	1.76	0.0447	1.74	0.044	3.10	0.00157	3.04	0.00154
46	1.57	0.0399	1.55	0.039	2.46	0.00125	2.41	0.00122
47	1.40	0.0356	1.39	0.035	1.96	0.000993	1.92	0.000973
48	1.24	0.0315	1.23	0.031	1.54	0.000768	1.51	0.000765
49	1.11	0.0282	1.10	0.028	1.23	0.000624	1.21	0.000613
50	0.99	0.0251	0.98	0.025	0.980	0.000497	0.960	0.000486



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