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**河南泰诺电缆有限公司**

HENAN TANO CABLE CO.,LTD.



# BUILDING WIRE to BS STANDARD



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Henan Tano Cable Co., Ltd.( Tano Cable for short), is a leading and professional manufacturer of cable and wire with more than 20 years' history and manufacturing experience, located in Zhengzhou city which is the capital of Henan province, China.

Tano Cable aims at providing integral power solution for international customers. We are working together as one company to provide products and technologies for building, maintaining and advancing the power and information infrastructures that connect the world. We mainly have the following products with strong competitiveness: All Aluminum Conductors (AAC), All Aluminum Alloy Conductors (AAAC), Aluminum Conductors Steel Reinforcement (ACSR) , Aerial Bundled Cables (ABC), building wire, welding cable, control cable, instrument cable, rubber cable, PVC insulated power cable, XLPE insulated power cable up to 500KV, customer-tailored cable and cable accessories, conforming to many different Country or international standard, such as IEC, HAR, BS, DIN, ICEA, ASTM, SABS, AS/NZS, JIS and so on.

Tano Cable pays great importance on the quality. We have strong teams and equipments for both production and inspection. Moreover, we have been awarded many certificates of ISO, CE, SONCAP, others from China and abroad. We keep improving our quality management system to meet the client's final satisfaction.

Tano Cable has provided services to the global clients who working in all areas of the energy, construction, industrial, specialty and communications market, and obtained the client's trust and compliment.

Welcome your any inquiry! Welcome your any visit! Welcome your any contact! We will take our biggest sincerity to be your long-term friend and partner.



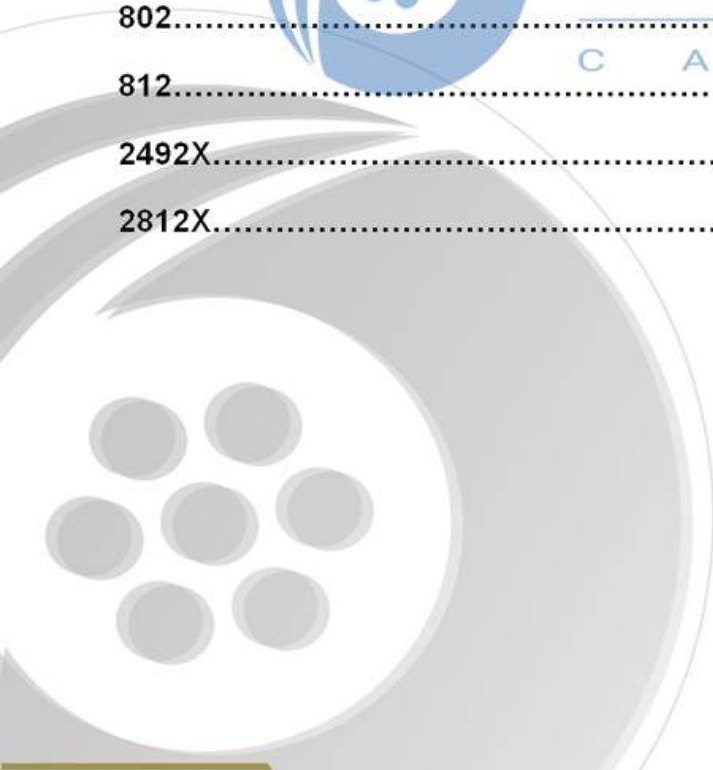


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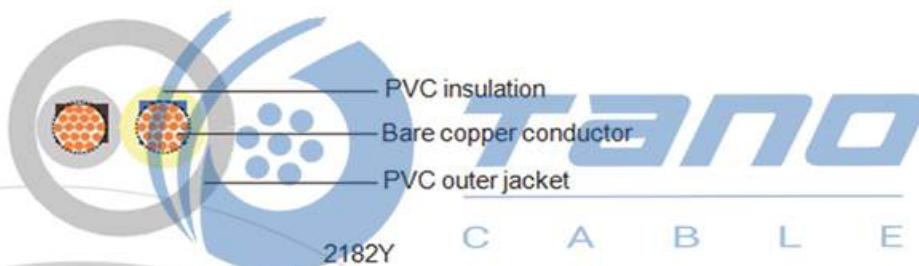


## Building Wire 218Y to BS 6500 Standard

### APPLICATION

These cable types are especially suited for use on small appliances with low mechanical stress and for connection for light household appliances, e.g. kitchen utensils, desk lamps, floor lamps, vacuum cleaners, office machines, radios, etc. As far as these cables are admitted to the relevant specifications of the equipment, They are not permitted for use with cooking or heating apparatus. 218Y is equivalent to harmonized code H03VV-F.

### CONSTRUCTION



- Bare copper fine wire conductor
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- PVC core insulation TI2 to BS 7655
- Green/Yellow grounding (3 conductors and above)
- PVC outer jacket TM2 to BS 7655

### CORE IDENTIFICATION

- 2 Cores: Blue, Brown
- 3 Cores: Green/Yellow, Blue, Brown
- 4 cores: Green/Yellow, black, brown, blue

## TECHNICAL CHARACTERISTICS

**Working voltage:** 300/300 volts

**Test voltage:** 2000 volts

**Flexing bending radius:** 7.5xOverall diameter

**Static bending radius:** 4xOverall diameter

**Flexing temperature:** -5° C to +70° C

**Static temperature:** -40° C to +70° C

**Short circuit temperature:** +160° C

**Flame retardant:** IEC 60332.1

**Insulation resistance:** 20 MΩxkm

## CONSTRUCTION PARAMETER

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No.xmm <sup>2</sup>	mm	mm	mm	kg/km	kg/km
<b>2182Y</b>						
20(16/32)	2x0.50	0.5	0.6	5	9.6	38
18(24/32)	2x0.75	0.5	0.6	5.5	14.4	46
<b>2183Y</b>						
20(16/32)	3x0.50	0.5	0.6	5.4	14.4	45
18(24/32)	3x0.75	0.5	0.6	6	21.6	59
<b>2184Y</b>						
20(16/32)	4x0.50	0.5	0.6	5.8	19.2	55
18(24/32)	4x0.75	0.5	0.6	6.5	28.8	72

## Building Wire 318Y to BS 6500 Standard

### APPLICATION

These cables are suited for medium mechanical stress in damp and wet environments such as refrigerators,

washing machines, spin dryers and other appliances, as long as it meets applicable equipment specifications. These cables are also suited for cooking and heating apparatus, provided that the cable does not come into direct contact with the hot parts of the apparatus or with any other heat source. Further applications of this cable include: Fixed installation in furniture, partition walls, decorative covering, and in the hollow spaces of prefabricated building parts. They are not suitable for outdoor use, industrial (except clothing manufacture) or farming applications. 318Y is equivalent to harmonized code H05VV-F.

## CONSTRUCTION



3184Y

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- Bare copper fine wire conductor
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- PVC core insulation TI2 to BS 7655
- Green/Yellow grounding (3 conductors and above)
- PVC outer jacket TM2 to BS 7655

## CORE IDENTIFICATION

- 2 Cores: Blue, Brown
- 3 Cores: Green/Yellow, Blue, Brown
- 4 Cores: Green/Yellow, Brown, Black, Grey
- 5 Cores: Green/Yellow, Brown, Black, Grey, Blue

## TECHNICAL CHARACTERISTICS



**Working voltage:** 300/500 volts

**Test voltage:** 2000 volts

**Flexing bending radius:** 7.5xOverall diameter

**Static bending radius:** 4xOverall diameter

**Flexing temperature:** -5° C to +70° C

**Static temperature:** -40° C to +70° C

**Short circuit temperature:** +160° C

**Flame retardant:** IEC 60332.1

**Insulation resistance:** 20 MΩxkm

## CONSTRUCTION PARAMETER

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No.xmm <sup>2</sup>	mm	mm	mm	kg/km	kg/km
<b>3182Y</b>						
18(24/32)	2x0.75	0.6	0.8	6.4	14.4	57
17(32/32)	2x1.0	0.6	0.8	6.8	19	65
16(30/30)	2x1.5	0.7	0.8	7.6	29	87
14(50/30)	2x2.5	0.8	1	9.2	48	134
12(56/28)	2x4.0	0.8	1.1	10.5	77	174
<b>3183Y</b>						
18(24/32)	3x0.75	0.6	0.8	6.8	21.6	68
17(32/32)	3x1.0	0.6	0.8	7.2	29	79
16(30/30)	3x1.5	0.7	0.9	8.2	43	111
14(50/30)	3x2.5	0.8	1.1	10.1	72	169
12(56/28)	3x4.0	0.8	1.2	11.3	115	233
<b>3184Y</b>						
18(24/32)	4x0.75	0.6	0.8	7.4	29	84
17(32/32)	4x1.0	0.6	0.9	8	38	101
16(30/30)	4x1.5	0.7	1	9.2	58	142
14(50/30)	4x2.5	0.8	1.1	11.2	96	211
12(56/28)	4x4.0	0.8	1.2	12.5	154	292
<b>3185Y</b>						
18(24/32)	5x0.75	0.6	0.9	8.5	36	106

17(32/32)	5x1.0	0.6	0.9	8.8	48	123
16(30/30)	5x1.5	0.7	1.1	10.5	72	176
14(50/30)	5x2.5	0.8	1.2	12.4	120	262
12(56/28)	5x4.0	0.8	1.4	13.7	192	369

## Building Wire 2192Y to BS 6500 Standard

### APPLICATION

These cable types are especially suited for use on small appliances with low mechanical stress and for connection for light household appliances, e.g. kitchen utensils, desk lamps, floor lamps, vacuum cleaners, office machines, radios, etc. These cables are admitted to the relevant specifications of the equipment, They are not permitted for use with cooking or heating apparatus. 2192Y is equivalent to harmonized code H03VVH2-F.

### CONSTRUCTION



- PVC insulation
- Bare copper conductor
- PVC outer jacket

2192Y

- Bare copper fine wire conductor
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- PVC core insulation TI2 to BS 7655
- PVC outer jacket TM2 to BS 7655

### CORE IDENTIFICATION

2 Cores: Blue, Brown

## TECHNICAL CHARACTERISTICS

**Working voltage:** 300/300 volts

**Test voltage:** 2000 volts

**Flexing bending radius:** 7.5xOverall diameter

**Static bending radius:** 4xOverall diameter

**Flexing temperature:** -5° C to +70° C

**Static temperature:** -40° C to +70° C

**Short circuit temperature:** +160° C

**Flame retardant:** IEC 60332.1

**Insulation resistance:** 20 MΩxkm

## CONSTRUCTION PARAMETER

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No.xmm <sup>2</sup>	mm	mm	mm	kg/km	kg/km
<b>2192Y</b>						
20(16/32)	2x0.50	0.5	0.6	3.2x5.2	9.7	32
18(24/32)	2x0.75	0.5	0.6	3.4x5.6	14.4	35

## Building Wire 2491X to BS 6004 Standard

### APPLICATION

These cables are designed for use in the switch control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers. 2491X is equivalent to harmonized code H05V-U/H05V-R/H05V-K.

## CONSTRUCTION



Bare copper conductor

PVC insulation

2491X

- Fine bare copper strands
- Solid wire to BS 6360 CL-1 or IEC 60228 CL-1
- Stranding to BS 6360 CL-2 or IEC 60228 CL-2
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- Special PVC TI1 core insulation to BS 7655

## CORE IDENTIFICATION

Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink



## TECHNICAL CHARACTERISTICS

**Working voltage:** 300/500v

**Test voltage:** 2000volts

**Minimum bending radius:** 6xOverall diameter

**Flexing temperature:** -5° C to +70° C

**Static temperature:** -30° C to +80° C

**Flame retardant:** IEC 60332.1

**Insulation resistance:** 10 MΩxkm

## CONSTRUCTION PARAMETER

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No. xmm <sup>2</sup>	mm	mm	kg/km	kg/km
20(solid)	1 x 0.5	0.6	2.1	4.8	9
18(solid)	1 x 0.75	0.6	2.2	7.2	11
17(solid)	1x1	0.6	2.4	9.6	14
20(7/29)	1 x 0.5	0.6	2.1	4.8	9
18(7/27)	1 x 0.75	0.6	2.3	7.2	12
17(7/26)	1x1	0.6	2.6	9.6	15
20(16/32)	1x0.5	0.6	2.1	4.9	10
18(24/32)	1x0.75	0.6	2.4	7.2	13
17(32/32)	1x1	0.6	2.6	9.6	15

## Building Wire 3192Y to BS 6500 Standard

### APPLICATION

These cables are suited for medium mechanical stress in damp and wet environments such as refrigerators, washing machines, spin dryers and other appliances, as long as it meets applicable equipment specifications.

These cables are also suited for cooking and heating apparatus, provided that the cable does not come into direct contact with the hot parts of the apparatus or with any other heat source. Further applications of this cable include: Fixed installation in furniture, partition walls, decorative covering, and in the hollow spaces of prefabricated building parts. They are not suitable for outdoor use, industrial (except clothing manufacture) or farming applications. 2192Y is equivalent to harmonized code H05VVH2-F.

### CONSTRUCTION



- PVC insulation
- Bare copper conductor
- PVC outer jacket

3192Y

- Bare copper fine wire conductor
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- PVC core insulation TI2 to BS 7655
- PVC outer jacket TM2 to BS 7655

## CORE IDENTIFICATION

2 Cores: Blue, Brown

3 Cores: Green/Yellow, Blue, Brown

4 Cores: Green/Yellow, Brown, Black, Grey

5 Cores: Green/Yellow, Brown, Black, Grey, Blue

## TECHNICAL CHARACTERISTICS

Working voltage: 300/500 volts

Test voltage: 2000 volts

Flexing bending radius:  $7.5 \times$  Overall diameter

Static bending radius:  $4 \times$  Overall diameter

Flexing temperature:  $-5^{\circ}$  C to  $+70^{\circ}$  C

Static temperature:  $-40^{\circ}$  C to  $+70^{\circ}$  C

Short circuit temperature:  $+160^{\circ}$  C

Flame retardant: IEC 60332.1

Insulation resistance: 20 M $\Omega$ xkm



## CONSTRUCTION PARAMETER

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No.xmm <sup>2</sup>	mm	mm	mm	kg/km	kg/km

3192Y						
18(24/32)	2x0.75	0.6	0.8	4.2x6.8	14.4	49
17(32/32)	2x1.0	0.6	0.8	4.4x7.2	19.2	57
16(30/30)	2x1.5	0.7	0.8	4.7x7.9	29	79

## Building Wire 6181Y to BS 6004 Standard

### APPLICATION

These cables are designed for surface wiring where there is little risk of mechanical damage and are suitable for use in electrical installations such as power and lighting.

### CONSTRUCTION



PVC sheath

Bare copper conductor

PVC insulation

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6181Y

- Bare copper conductor
- Solid to BS 6360 CL-1 or IEC 60228 CL-1; stranding to BS 6360 CL-2 or IEC 60228 CL-2
- 1.0mm<sup>2</sup>- 2.5mm CL-1 – circular solid
- 4mm<sup>2</sup> and above - CL-2 – stranded circular or circular compacted
- PVC insulation Type TI1 to BS7655
- PVC sheath Type 6 to BS7655

### CORE IDENTIFICATION

Black, Blue, Brown

## TECHNICAL CHARACTERISTICS

**Working voltage:** 300/500V

**Minimum bending radius:** 3xoverall diameter

**Operating temperature:** -15° C to +70° C

**Insulation resistance:** 10 MQxkm

**Flame retardant:** IEC 60332.1

## CONSTRUCTION PARAMETER

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter	Nominal Weight
	No. xmm <sup>2</sup>	mm	mm	mm	kg/km
18	1x1	0.6	0.8	4.5	27
16	1x1.5	0.7	0.8	4.9	36
14	1x2.5	0.8	0.8	5.8	52
12(7/20)	1x4	0.9	0.9	6.8	76
10(7/18)	1x6	0.8	0.9	7.4	100
8(7/16)	1x10	1	0.9	8.8	160
6(7/14)	1x16	1	1	10.5	230
4(7/12)	1x25	1.2	1.1	12.5	340
2(7/10)	1x35	1.2	1.1	13.5	440

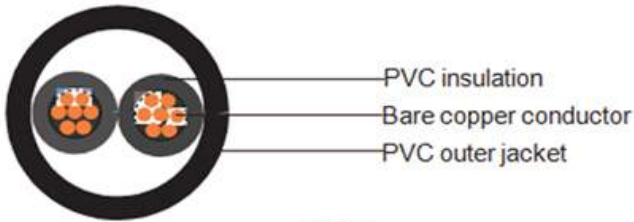
## Building Wire 6192Y/ 6193Y to BS 6004 Standard

### APPLICATION

These cables are suitable for fixed installation in dry or damp premises on walls, boards or trays, in channels or embedded in plaster. They should be laid in conduit in conduit or trunking where mechanical protection is required.



## CONSTRUCTION



6192Y

- Fine bare copper strands
- Stranding to BS 6360, IEC 60228 CL-1 or 2
- PVC insulation type TI1 to BS 7655
- PVC sheath type T6 to BS 7655

## CORE IDENTIFICATION

2 cores: brown and blue

3 cores: brown, black and grey



## TECHNICAL CHARACTERISTICS

**Working voltage:** 300/500v

**Test voltage:** 2000 volts

**Minimum bending radius:** 4xOverall diameter

**Operating temperature:** -15° C to +70° C

**Short circuit temperature:** +160° C

**Flame retardant:** IEC 60332.1

**Insulation resistance:** 10 MΩxkm

## CONSTRUCTION PARAMETER

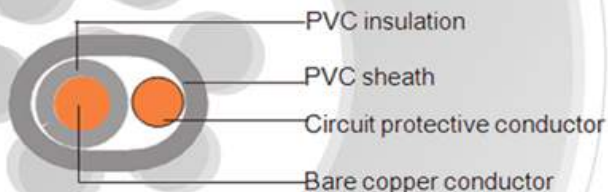
AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Dimensions		Nominal Weight
				Lower Limit	Upper Limit	
				mm	mm	
<b>6192Y</b>						
17	2 × 1.0	0.6	0.9	3.9x6.1	4.8x7.4	53
16	2 × 1.5	0.7	0.9	4.4x7.0	5.4x8.5	70
14	2 × 2.5	0.8	1	5.1x8.4	6.2x10.1	105
12(7/20)	2x4	0.8	1	5.7x9.5	6.9x11.5	150
10(7/18)	2x6	0.8	1.1	6.4x10.8	7.8x13.0	205
8(7/16)	2 × 10	1	1.2	7.9x13.4	9.5x16.2	325
6(7/14)	2 × 16	1	1.3	8.9x15.4	10.8x18.6	465
<b>6193Y</b>						
17	3 × 1.0	0.6	0.9	3.9x8.4	4.8x10.1	77
16	3 × 1.5	0.7	0.9	4.4x9.6	5.3x11.7	100
14	3 × 2.5	0.8	1	5.1x11.6	6.2x14.0	150
12(7/20)	3x4	0.8	1.1	5.9x13.5	7.1x16.3	230
10(7/18)	3x6	0.8	1.1	6.4x15.1	7.8x18.2	300
8(7/16)	3 × 10	1	1.2	7.9x19.0	9.5x23.0	485
6(7/14)	3 × 16	1	1.3	8.9x21.8	10.8x26.3	700

## Building Wire 6241Y/6242Y/ 6243Y to BS 6004 Standard

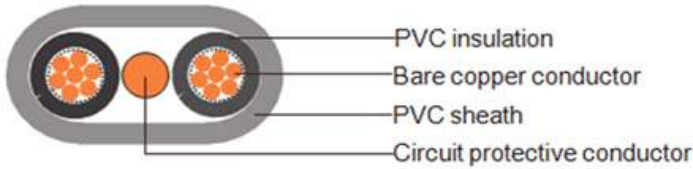
### APPLICATION

These cables are suitable for fixed installation in dry or damp premises on walls, boards or trays, in channels or embedded in plaster. They should be laid in conduit or trunking where mechanical protection is required.

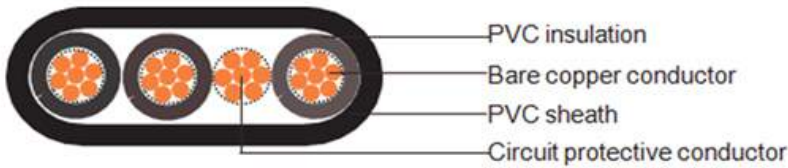
### CONSTRUCTION



6241Y



6242Y



6243Y

- Fine bare copper strands
- Stranding to IEC 60228 CL-1 or 2
- PVC insulation type T11 to BS 7655
- The core or cores shall be laid parallel with the uninsulated circuit protective conductor
- For twin cores, the protective conductor centrally placed between cores in same plane
- For 3 cores, the protective conductor centrally placed between black and grey cores in same plane
- PVC sheath type T6 to BS 7655



## CORE IDENTIFICATION

**2 cores:** brown and blue, or, for 2 × 1.0 and 2 × 1.5 cables, brown and brown

**3 cores:** brown, black (centre core) and grey

## TECHNICAL CHARACTERISTICS

**Working voltage:** 300/500v

**Test voltage:** 2000 volts

**Minimum bending radius:** 4xOverall diameter

**Flexing temperature:** -15° C to +70° C

Short circuit temperature: +160° C

Flame retardant: IEC 60332.1

Insulation resistance: 10 MΩxkm

## CONSTRUCTION PARAMETER

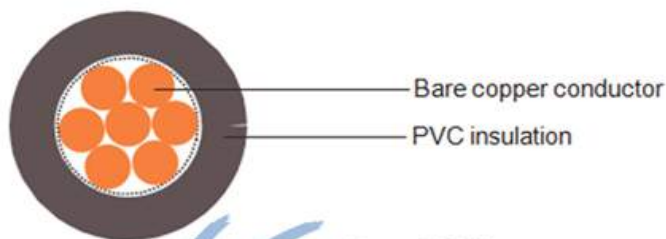
AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Dimensions		Circuit Protective Conductor	Nominal Weight
				Lower Limit	Upper Limit		
				mm	mm		
<b>6241Y</b>							
17	1 × 1.0	0.6	0.9	3.9x5.1	4.8x6.0	17	45
16	1 × 1.5	0.7	0.9	4.4x5.4	5.3x6.6	17	55
<b>6242Y</b>							
17	2 × 1.0	0.6	0.9	3.9x7.2	4.8x8.7	17	68
16	2 × 1.5	0.7	0.9	4.4x8.1	5.3x9.7	17	85
14	2 × 2.5	0.8	1	5.1x9.6	6.2x11.7	16	120
12(7/20)	2x4	0.8	1	5.7x10.8	6.9x13.1	16	175
10(7/18)	2x6	0.8	1.1	6.4x12.4	7.8x15.0	14	240
8(7/16)	2 × 10	1	1.2	7.9x15.5	9.5x18.9	12(7/20)	390
6(7/14)	2 × 16	1	1.3	8.9x18.1	10.8x21.9	10(7/18)	560
<b>6243Y</b>							
17	3 × 1.0	0.6	0.9	3.9x9.4	4.8x11.4	17	91
16	3 × 1.5	0.7	0.9	4.4x10.7	5.3x12.9	17	115
14	3 × 2.5	0.8	1	5.1x12.6	6.2x15.3	17	170
12(7/20)	3x4	0.8	1.1	5.9x14.8	7.1x17.9	16	250
10(7/18)	3x6	0.8	1.1	6.4x16.8	7.8x20.2	14	340
8(7/16)	3 × 10	1	1.2	7.9x21.3	9.5x25.7	12(7/20)	540
6(7/14)	3 × 16	1	1.3	8.9x24.6	10.8x29.7	10(7/18)	790

## Building Wire 6491X/6491X HR to BS 6004 Standard

### APPLICATION

These cables are designed for use as fixed wiring in domestic, Industrial power and lighting applications such as light fittings, appliances, switchgear and control gear, they can be used in conduit or trunking or surface mounted when used as an earth. 6491X is equivalent to H07V-U/H07V-R/H07V-K. The heat-resistant version is ideal for use in installation which are subject to direct contact with high temperature equipments (e.g. varnishing machines and drying towers etc.).

## CONSTRUCTION



6491X

- Bare copper made of solid/strands conductor
- Solid to BS 6360 CL-1 or IEC 60228 CL-1(H07V-U)
- Stranding to BS 6360 CL-2 or IEC 60228 CL-2(H07V-R)
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5(H07V-K)
- Special PVC TI1/TI3(for 6491X HR ) core insulation

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## CORE IDENTIFICATION

Green/Yellow, Black, Blue, Brown, Red, White, Grey, Violet

## TECHNICAL CHARACTERISTICS

**Working voltage:** 450/750 volts

**Test voltage:** 2500 volts

**Minimum bending radius:** Up to 10mm<sup>2</sup>: 3xoverall diameter

10mm<sup>2</sup> to 25mm<sup>2</sup>: 4xoverall diameter

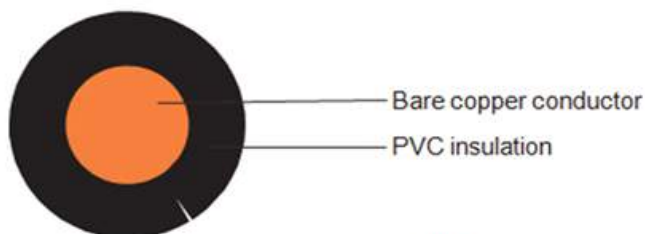
Above 25mm<sup>2</sup>: 5xoverall diameter

**Operating temperature:** -0° C to +70° C/105 ° C(for 6491X HR)

**Short circuit temperature:** +160° C

**Flame retardant:** IEC 60332.1

**Insulation resistance:** 10 MΩxkm



6491X

## CONSTRUCTION PARAMETER

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No. xmm <sup>2</sup>	mm	mm	kg/km	kg/km
16(solid)	1x1.5	0.7	2.9	14.4	21
14(solid)	1x2.5	0.8	3.5	24	33
12(solid)	1x4	0.8	3.9	38	49
10(solid)	1x6	0.8	4.5	58	69
8(solid)	1x10	1	5.7	96	115
16(7/24)	1x1.5	0.7	3	14.4	23
14(7/22)	1x2.5	0.8	3.6	24	35
12(7/20)	1x4	0.8	4.2	39	51
10(7/18)	1x6	0.8	4.7	58	71
8(7/16)	1x10	1	6.1	96	120
6(7/14)	1x16	1	7.2	154	170
4(7/12)	1x25	1.2	8.4	240	260
2(7/10)	1x35	1.2	9.5	336	350
1(19/13)	1x50	1.4	11.3	480	480
2/0(19/11)	1x70	1.4	12.6	672	680
3/0(19/10)	1x95	1.6	14.7	912	930
4/0(37/12)	1x120	1.6	16.2	1152	1160

AWG (No of Strands/ Strand Diameter)	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	No. xmm <sup>2</sup>	mm	mm	kg/km	kg/km
300MCM(37/11)	1x150	1.8	18.1	1440	1430
350MCM(37/10)	1x185	2	20.2	1776	1780
500MCM(61/11)	1x240	2.2	22.9	2304	2360
— (61/10)	1x300	2.4	24.5	2980	2940
— (61/9)	1x400	2.6	27.5	3765	3740
16(30/30)	1x1.5	0.7	3.1	14.4	20
14(50/30)	1x2.5	0.8	3.6	24	31
12(56/28)	1x4	0.8	4.3	38	48
10(84/28)	1x6	0.8	4.9	58	69
8(80/26)	1x10	1	6.4	96	121
6(128/26)	1x16	1	8.1	154	211
4 (200/26)	1x25	1.2	9.8	240	303
2 (280/26)	1x35	1.2	11.1	336	417
1 (400/26)	1x50	1.4	13.1	480	539
2/0 (356/24)	1x70	1.4	15.5	672	730
3/0 (485/24)	1x95	1.6	17.2	912	900
4/0 (614/24)	1x120	1.6	19.7	1152	1135
300MCM (765/24)	1x150	1.8	21.3	1440	1410
350MCM (944/24)	1x185	2	23.4	1776	1845
500MCM(1225/24)	1x240	2.2	27.1	2304	2270

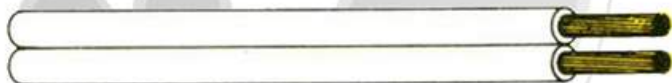
C A B L E

## Building Wire 802 to BS 6500 Standard

### APPLICATION

**Class No:** 802 Twin Core Conductors of high conductivity copper wires, two conductors laid side by side Both insulated with PVC compound formation, one core with a ridge for identification

### CONSTRUCTION



## CONSTRUCTION PARAMETER

Size of Conductor		Nominal Thickness of Insulation	Nominal Overall Dimension	Approx. Net Weight
Nominal Cross Sectional Area	Number and Diameter of Wires			
mm <sup>2</sup>	No./mm	mm	mm	kg/km
0.5	16/0.20	0.5	1.95*3.90	15
0.75	24/0.20	0.5	2.15*4.30	21

## Building Wire 812 to BS 6500 Standard

### APPLICATION

Class No 812: Twisted Twin Conductors of high conductivity copper wires, insulated with PVC compound, two cores twisted together.

### CONSTRUCTION




### CONSTRUCTION PARAMETER

Size of Conductor		Nominal Thickness of Insulation	Nominal Overall Diameter of Each Core	Approx. Net Weight
Nominal Cross-Sectional Area	Number and Diameter of Wires			
mm <sup>2</sup>	No./mm	mm	mm	kg/km
0.5	16/0.20	0.5	1.95	16
0.75	24/0.20	0.5	2.15	22

## Building Wire 2492X to BS 6500 Standard



## APPLICATION

These cables are designed for use in the switch control, relay and instrumentation panels of power switch gear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers.

2491X is equivalent to harmonized code H05V-U/H05V-R/H05V-K.

## CONSTRUCTION



- Fine bare copper strands
- Solid wire to BS 6360 CL-1 or IEC 60228 CL-1
- Stranding to BS 6360 CL-2 or IEC 60228 CL-2
- Stranding to BS 6360 CL-5 or IEC 60228 CL-5
- Special PVC T11 core insulation to BS 7655



## CORE IDENTIFICATION

Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

## TECHNICAL CHARACTERISTICS

- Working voltage: 300/500v
- Test voltage: 2000volts
- Minimum bending radius: 6xOverall diameter
- Flexing temperature: -5o C to +70o C
- Static temperature: -30o C to +80o C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩxkm

## CONSTRUCTION PARAMETER

Size of Conductor		Nominal Thickness of Insulation	Mean Overall Diameter of Each Core Upper Limit	Approx. Net Weight
Nominal Cross Sectional Area	Number and Diameter of Wires			
mm <sup>2</sup>	No./mm	mm	mm	kg/km
0.5	16/0.20	0.6	4.6	20
0.75	24/0.20	0.6	5	26
1	32/0.20	0.6	5.4	33

## Building Wire 2812X To BS 6500 Standard

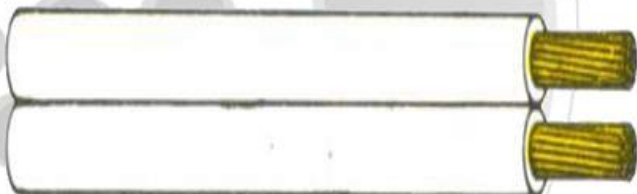
### APPLICATION

- 300/300V PVC Insulated Parallel Flexible Cords to BS 6500
- Reference No 2812X, application in surface wire of little damage in Machine, as well as the installation of electrical devices such as electricity and lighting.
- PVC Insulated
- 30 years warranty
- working temp.: 0°C to +70°C
- package: 100m/coil or cater for customer's requirements
- Twin Core

#### Notes:

- Conductors of high conductivity copper wires insulated with PVC compound.
- One core with a ridge for identification

### CONSTRUCTIONS



## CONSTRUCTION PARAMETER

Size of Conductor		Nominal Thickness of Insulation	Mean Overall Dimensions		Approx. Net Weight
Nominal Cross Sectional Area	Number and Diameter of Wires		Lower Limit	Upper Limit	
mm <sup>2</sup>	No./mm	mm	mm	mm	kg/km
0.5	28/0.15	0.8	2.5x5.0	3.0x6.0	24
0.75	42/0.15	0.8	2.7x5.4	3.2x6.4	29



**TANO**  
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