

BOSHART INDUSTRIES

Telephone: 1-519-595-4444 - Toll Free: 1-800-561-3164

Fax: 1-519-595-4380 - www.boshart.com

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September 25/17

TWU PUMP WIRE

WHEN ORDERING PUMP CABLE PLEASE SPECIFY: SOLID (SOL) OR STRANDED (STR) CABLE.
FOR THREE WIRE CABLE PLEASE STATE THE PREFERRED COLOUR CODES:
 BLACK, RED, GREEN (BRG) - BLACK, RED, YELLOW (BRY)

PLEASE NOTE: FACTORY SHORTS are subject to availability.
30% surcharge for cutting TWU Pump Cable. Please call for more information.

All pump wire is sold by the metre only.

METRIC CONVERSION FACTORS

To Convert	Multiply by:	To Convert	Multiply by:
Metres to Feet	3.2808	Dollars per Ft. to dollars per M	3.2808
KMS to Feet	3280.8		
Feet to Metres	0.3048	Dollars per M to dollars per Ft.	0.3048
Feet to KMS	0.0003048		

TWU PUMP CABLE - 4 CONDUCTOR (BRYG)

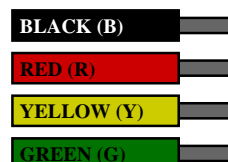
600 VOLTS

-40°C., Maximum 60°C.

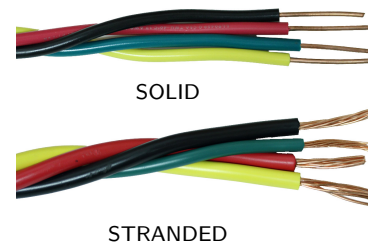
Description: 4 twisted TWU conductors, solid or stranded copper, PVC insulation

Application: For use with submersible pumps and irrigation equipment. For wiring only between equipment located at water wellheads and motors of submersible pumps installed in deep wells.

Standards: CSA - C22.2 No.75-Thermoplastic Insulated Wire



PART NO.	TOTAL NO. CONDS.	B, R, & Y CONDS. AWG	GREEN GROUND WIRE AWG	NO. OF STRANDS PER CONDUCTOR	APPROX. WEIGHT / REEL
TWU14-4S	4	#14	#14	(1) SOLID	120 LBS
TWU14-4	4	#14	#14	(7) STRANDED	125 LBS
TWU12-4S	4	#12	#12	(1) SOLID	160 LBS
TWU12-4	4	#12	#12	(7) STRANDED	222 LBS
TWU10-4	4	#10	#10	(7) STRANDED	150 LBS
TWU8-4	4	#8	#10	(7) STRANDED	360 LBS
TWU6-4	4	#6	#8	(7) STRANDED	470 LBS
TWU4-4	4	#4	#6	(7) STRANDED	724 LBS



TWU-40C SUBMERSIBLE PUMP CABLE CSA FLAT JACKETED

Applications: For use with submersible water pumps installed in wells, lakes, rivers, and streams in accordance with CSA C22.1 Canadian Electrical Code Part I, section 26, rules 26-954 and 26-956.

Conductors: 14 AWG to 10 AWG bare copper

Insulation/Jacket: Polyvinyl chloride (PVC)

Voltage Rating: 600V

Temperature Rating: -40°C* to 60°C

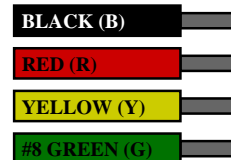
Flame Rating: FT1, VW-1

Standards: CSA C22.2 No. 75

Marked "Submersible Pump Cable" and "-40C" as required by the Canadian Standards Association (CSA) and by the Canadian Electrical Code (CEC)

Marked "Direct Burial" to indicate suitability for direct earth burial.

Marked "SR" for Sunlight Resistance with Black Jacket Colour (required for outdoor storage). Cable is sequentially Ft marked to show length remaining on reel.



PART NO.	TOTAL NO. CONDS.	B, R, & Y CONDS. AWG	GREEN GROUND WIRE AWG	NO. OF STRANDS PER CONDUCTOR	APPROX. WEIGHT / REEL
TWUFJ14-4	4	#14	#14	(7) STRANDED	180 LBS
TWUFJ12-4	4	#12	#12	(7) STRANDED	210 LBS
TWUFJ12-3	3	#12(B,R)	#12	(7) STRANDED	141 LBS
TWUFJ10-4	4	#10	#10	(7) STRANDED	249 LBS



*The -40°C low temperature rating indicates that the cables have passed a cold impact and a cold bend test under carefully controlled laboratory conditions. These conditions may or may not reflect actual field conditions. It is therefore recommended that all cables be warmed to at least -10°C before installation.

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TWU PUMP WIRE 3 CONDUCTOR (BRG)

600 VOLTS

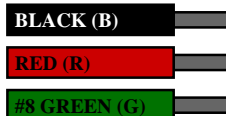
-40°C., Maximum 60°C.

Description: 3 twisted TWU conductors, solid or stranded copper, PVC insulation

Application: For use with submersible pumps and irrigation equipment. For wiring only between equipment located at water wellheads and motors of submersible pumps installed in deep wells.

NOTE: #2 Gauge pump cable available in four colours.

Standards: CSA - C22.2 No.75-Thermoplastic Insulated Wire



PART NO.	TOTAL NO. CONDS.	B & R CONDS. AWG	GREEN GROUND WIRE AWG	NO. OF STRANDS PER CONDUCTOR	APPROX. WGT / REEL 300M REEL
TWU14-3GS	3	#14	#14	(1) SOLID	94 LBS
TWU14-3G	3	#14	#14	(7) STRANDED	95 LBS
TWU12-3GS	3	#12	#12	(1) SOLID	115 LBS
TWU12-3G	3	#12	#12	(7) STRANDED	125 LBS
TWU10-3G	3	#10	#10	(7) STRANDED	169 LBS

BARE GROUND WIRE

Description: ASTM B3: soft copper wire.

Application: To ground an electrical system or equipment.



PART NO.	TOTAL NO. CONDUCTORS	CONDS. AWG.	NO. OF STRANDS PER CONDUCTOR	APPROX. WGT / REEL	CSA Approved
15-6-300	1	#6	(7) STRANDED	88 LBS	Approved

TWU - TRACER WIRE (CSA)

CSA type TWU compliant Tracer wire.

APPLICATIONS:

Used for running beside gas lines to enable detection of the lines prior to digging.

CONSTRUCTION:

Single (16 AWG to 10 AWG) stranded or solid bare copper conductor with Polyvinyl Chloride (PVC) insulation applied directly over the copper conductor.

SPECIFICATIONS:

- Voltage Rating: 600V
- Temperature Rating: -40°C to 75°C
- Flame Rating: FT1
- Color Codes: Standard colour is white. Other colours available upon request.
- Packaging: Standard package is 300 Mt spools and bulk barrel packs. Other packages are available upon request.

STANDARDS:

CSA - C22.2 No.75 - Thermoplastic Insulated Wire

PART NO.

TWU14S-WHI	14(1B)60C/-40C 300M WHITE
TWU12S-WHI*	12(1B)60C/-40C 300M WHITE
TWU10S-WHI*	10(1B)60C/-40C 300M WHITE
TWU8S-WHI*	8(1B)60C/-40C 300M WHITE
TWU14-WHI	14(7B)60C/-40C 300M WHITE
TWU12-WHI	12(7B)60C/-40C 300M WHITE
TWU10-WHI	10(7B)60C/-40C 300M WHITE
TWU8-WHI	8(7B)60C/-40C 300M WHITE
TWU6-WHI	6(7B)60C/-40C 300M WHITE
TWU4-WHI	4(7B)60C/-40C 300M WHITE



* ITEMS MAY NOT BE IN STOCK. PLEASE CONTACT INSIDE SALES FOR DELIVERY

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TW 75 - IRRIGATION CABLE

Environmentally friendly lead free jacket multi-conductor irrigation cable.

APPLICATIONS:

Used for electrical interconnection of outdoor sprinkler systems, for connection of solenoid valves with controllers on residential, electrically controlled irrigation systems.

CONSTRUCTION:

Irrigation Cable is manufactured using solid bare copper conductors (2 to 30 conductors) with Polyvinyl chloride (PVC) insulation applied directly over the copper conductors, twisted with overall PVC jacket.

SPECIFICATIONS:

- Solid bare copper conductors 20 Awg to 16 Awg twisted without fillers, overall PVC jacket. • Voltage Rating: 30V
- Temperature Rating: 60°C
- Flame Rating: PVC Jacketed product is FT1
- Colour Codes: Standard colours are per the Electrical Colour Chart
- Jacket Colour: Standard colour is Black. Other colours available upon request.
- Packaging: Standard package is 152 meter or 305 meter spools. Other packages are available upon request.

STANDARDS:

CSA approved to Golf Course Sprinkler (GCS) and Lawn Sprinkler Systems (LSS) standards TIL No. J-17C Jan 9 2004

PART NO.

TW18S-10	18(1B)/10 60C 152MTR CSA IRRIGATION WIRE PVC
TW18S-2	18(1B)/2 60C 152MTR CSA IRRIGATION WIRE PVC
TW18S-3	18(1B)/3 60C 152MTR CSA IRRIGATION WIRE PVC
TW18S-4	18(1B)/4 60C 152MTR CSA IRRIGATION WIRE PVC
TW18S-5	18(1B)/5 60C 152MTR CSA IRRIGATION WIRE PVC
TW18S-6	18(1B)/6 60C 152MTR CSA IRRIGATION WIRE PVC
TW18S-7	18(1B)/7 60C 152MTR CSA IRRIGATION WIRE PVC
TW18S-8	18(1B)/8 60C 152MTR CSA IRRIGATION WIRE PVC



LVT LOW VOLTAGE THERMOSTAT WIRE

CSA certified Low Voltage Thermostat (LVT)

APPLICATIONS:

For use in interconnection of low voltage heating and air conditioning (HVAC) thermostat controls, bell and annunciator systems. For use in damp or dry locations.

CONSTRUCTION:

Two or more solid or stranded soft bare copper conductors, Polyvinyl chloride (PVC) insulation applied directly over the copper conductors, and color coded. Two conductors parallel with an overall thermoplastic jacket, three or more conductors twisted with an overall Polyvinyl chloride (PVC) jacket. Approved for 22 AWG to 16 AWG and 2 to 30 conductors.

SPECIFICATIONS:

- Solid or stranded soft bare copper conductors.
- Conductors: 22 AWG to 16 AWG solid bare copper
- Voltage Rating: 30V
- Temperature Rating: 60°C
- Flame Rating: FT4
- Standard colour is brown. Other colours available upon request.
- Colour Codes: Standard colours are per the Electrical Colour Chart
- Packaging: Standard package is 300 Mt spools. Other packages are available upon request.

STANDARDS:

CSA 22.2 No. 35-Low Voltage Control Circuit, Low Energy Control Cable, and Extra Low Voltage Control Cable.

PART NO.

LVT18S-10	18(1B)/10 60C 75MTR
LVT18S-2	18(1B)/2 60C 75MTR
LVT18S-3	18(1B)/3 60C 75MTR
LVT18S-4	18(1B)/4 60C 75MTR
LVT18S-5	18(1B)/5 60C 75MTR
LVT18S-6	18(1B)/6 60C 75MTR
LVT18S-8	18(1B)/8 60C 75MTR



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CSA CERTIFIED NMWU NON-METALLIC SHEATHED CABLES - UNDERGROUND FEEDER AND BRANCH CIRCUIT CABLE

NMWU cables are available as two or three-conductor cables, with bare grounding conductor. The construction is manufactured using annealed (soft) copper conductors - compressed stranding for the stranded conductors; a thermoplastic polyvinyl chloride (PVC) insulation and a nylon jacket for the phase conductors; and a sunlight, moisture, and fungus-resistant PVC jacket surrounding the overall construction.

APPLICATIONS:

NMWU can be used in wet locations, and in barns and other animal enclosures where not exposed to mechanical injury. It is a very good cable to use for supplying a garage, garden shed or lawn lights. For concealed or exposed wiring in dry or wet locations where not exposed to mechanical injury. Also where exposed to weather or direct earth burial (with protection as required by the inspection authority) at conductor temperatures not exceeding 60°C. Use for Category 1 and 2 locations (Ref. CE Code Part 1 Section 22) including barns, stables, etc. The maximum voltage rating for all intended applications is 300 volts. Consult the Canadian Electrical Code 1 for further information related to applications. Caution: Although NMWU is similar in appearance to NMD, it is in fact quite different.

INSTALLATION:

The minimum recommended installation temperature is minus 40°C for two-conductor cables - sizes AWG 14 through AWG 6 - and minus 25°C for all other sizes. For three-conductor cables the minimum recommended installation temperature is minus 10°C with suitable handling procedures. Maximum conductor temperature 60°C. Material should be properly stored above 0°C for 24 hours prior to installation.

SPECIFICATIONS:

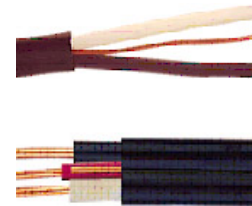
- Conductors: 14 AWG to 10 AWG solid or 8 AWG to 4 AWG stranded bare copper
- Construction: 2 or 3 Conductors with a ground
- Insulation: Polyvinyl chloride (PVC) applied directly over the copper conductors
- Temperature Rating: Available in -10°C & -40°C
- Voltage Rating: 300V
- Flame Rating: FT1
- Jacket Type: Polyvinyl Chloride (PVC)
- Jacket Colour: Black is standard and is sunlight resistant. White sunlight resistant jackets are available on request
- Colours: 2 Conductors - Black, White
3 Conductors - Black, Red, White
- Packaging: Standard package is bulk spools. Other packages are available upon request.

STANDARDS:

CSA - C22.2 No. 48- Non-metallic sheathed cable

PART NO.

NMWU10-2*	10(1B)/2+12(1B) NMWU x 300MTR
NMWU12-2*	12(1B)/2+14(1B) NMWU x 300MTR
NMWU14-2*	14(1B)/2+14(1B) NMWU x 300MTR
NMWU6-2*	6(1B)/2+10(7B) NMWU x 300MTR
NMWU8-2*	8(7B)/2+10(7B) NMWU x 300MTR
NMWU10-3*	10(1B)/3+12(1B) NMWU x 300MTR
NMWU12-3*	12(1B)/3+14(1B) NMWU x 300MTR
NMWU14-3*	14(1B)/3+14(1B) NMWU x 300MTR
NMWU6-3*	6(1B)/3+10(7B) NMWU x 300MTR
NMWU8-3*	8(7B)/3+10(7B) NMWU x 300MTR



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