

## UL TYPE TC / TC-ER – 600V/1KV

XHHW / XHHW-2 Insulation – with Ground - PVC Jacket

### APPLICATION

TC, TC-ER cables are used in building wiring, feeder and internal secondary industrial distribution, and specially utilized for abrasive environment, grease, gasoline and other chemical contaminated ambient locations.

### CONDUCTORS

- Solid or stranded bare copper per ASTM-B3, ASTM-B8 and ASTM-B787

### INSULATION

- Rated 90°C wet or dry to meet UL 44 for XHHW-2
- Cross-linked polyethylene (XL).
- Heat and moisture-resistant
- Flame retardant compound per UL 44.  
(QMTT2 PVC compound listed by UL)

### GROUND CONDUCTOR

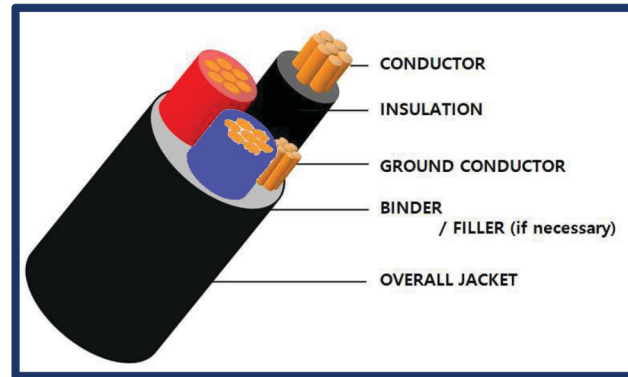
- Insulated conductor or bare conductor.

### ASSEMBLY

- The insulated conductors are cabled together with a insulated ground or bare conductor.
- With or without fillers as required to form a round compact core.
- Nylon ripcord for easy stripping (If necessary)

### PRODUCT PRINT LEGEND

- TC-ER (no ground wire type)  
- □□AWG O/C TYPE TC-ER-JP XHHW-2 90C 600V SUN RES OIL RES-I FT4 / IEEE 1202 DIR BURIAL (UL)  
E519485 0000FTMM/YY
- TC-ER (with ground wire type)  
- □□AWG O/CW/GND TYPE TC-ER-JP XHHW-2 90C 600V SUN RES OIL RES-I FT4 / IEEE 1202 DIR BURIAL (UL)  
E519485 0000FTMM/YY



### OUTER SHEATH (OVERALL JACKET)

- A flame retardant, sunlight-resistant black PVC jackets
- The thickness of the Overall Jacket is in accordance with the UL1277 standard.

### PRODUCT SERVICE DESCRIPTION

- ER (Exposed Run)
- Sunlight resistance
- Oil resistance-I
- Cold bend -25°C
- Direct burial
- Joist pulling
- IEEE 1202/FT4 70,000 BTU/hour flame test

### STANDARDS & REFERENCE

- ASTM B8** Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft
- ASTM B3** Standard Specification for Soft or Annealed Copper Wire
- UL 1581** Reference Standard for Electrical Wires, Cables, and Flexible Cords
- UL 2556** Wire and Cable Test Methods
- UL 1685** Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables
- UL 44** Thermoplastic-Insulated Wires and Cables
- UL 1277** Electrical Power and Control Tray Cables with Optional Optical-Fiber Members

