



With Bare Messenger conductor											
1	3C X 16 sq mm + 25 sq mm (bare) + 16 sq mm	7	7	1.2	N.A	19.5	340	7	1.91	1.38	62
2	3C X 25 sq mm + 25 sq mm (bare) + 16 sq mm	7	7	1.2	N.A	20.5	429	7	1.2	1.38	82
3	3C X 35 sq mm + 25 sq mm (bare) + 16 sq mm	7	7	1.2	N.A	23.5	526	7	0.868	1.38	103
4	3C X 35 sq mm + 35 sq mm (bare) + 16 sq mm	7	7	1.2	N.A	25	553	10.1	0.868	0.986	103
5	3C X 50 sq mm + 35 sq mm (bare) + 16 sq mm	7	7	1.5	N.A	26.8	727	10.1	0.641	0.986	127
6	3C X 70 sq mm + 50 sq mm (bare) + 16 sq mm	7	7	1.5	N.A	31.5	958	14	0.443	0.689	154
7	3C X 70 sq mm + 70 sq mm (bare) + 16 sq mm	7	7	1.5	N.A	34.5	1013	19.7	0.443	0.492	154
8	3C X 95 sq mm + 70 sq mm (bare) + 16 sq mm	19	7	1.5	N.A	37	1248	19.7	0.32	0.492	188
9	3C X 120 sq mm + 70 sq mm (bare) + 16 sq mm	19	7	1.6	N.A	39	1493	19.7	0.253	0.492	218
10	3C X 150 sq mm + 70 sq mm (bare) + 16 sq mm	19	7	1.8	N.A	40	1803	19.7	0.206	0.492	248

## SPECIAL CABLES

### Telephone Cable

Telephone cables are recommended for use in internal telephone wiring in high rise buildings, offices, factories, hotels, residential complexes, etc. Twisted pair cables are best suited for telephone cabling applications. The conductor is made of solid annealed, electrolytic grade high conductivity bare copper. The conductor is insulated with special grade high – density polyethylene with color coding. The insulated cores are twisted with uniform lay to form pairs and are bunched together in such a manner so as to minimize cross talk. The cable is jacketed with a grey colour specially formulated Fire Retardant (FR) PVC with high oxygen and temperature index.

Tortek manufactured two types of Telephone Cables, one is Unarmoured and another one is Armoured Cable.

### RS 485 Cable

RS 485 Communication cables is used by the telecommunication industries. These cables are manufactured using best quality of raw material and advance technology in adherence with industry norms. Moreover, we assure our customers that these cables are tested against various quality measures so as to ensure their quality.

The construction of RS 485 Communication cable is Annealed bare / tinned high conductivity copper and insulated by PVC/PE/ Cellular PE Insulated. The insulated cores are twisted to form a pair and pairs laid up in sub-units / units in concentric layers. Tapping is used on pairs and covered with overall Pvc sheath. Individual and or overall shielding with Aluminium-Mylar tape/copper tape/lapping/braiding provided depending upon the requirement. Armouring provided with an extruded inner PVC/PE sheath and overall sheath of PVC/PE wherever required.

## Handling, Storage and Laying of Tortek Cables

### A. CABLE INSPECTION

Inspect every cable reel for damage before accepting the shipment. Be particularly alert for cable damage if:

1. A reel is laying flat on its side.
2. Several reel are stacked.
3. Other freight I stacked on a reel.
4. Nails have been driven into reel flanges to secure shipping blocks.
5. A reel flange is damaged.

Thus the following is a list of Do's and Don't that should be followed while handling and storing the cables before it is put to use.

### C. PRE-INSTALLATION

To ensure safety during cable installation, following shall be checked prior to installation.

1. The cable selected is proper for designed application.
2. The cable has not been damaged in transit or storage Review all application state and national codes to verify that the cable chosen is appropriate for the