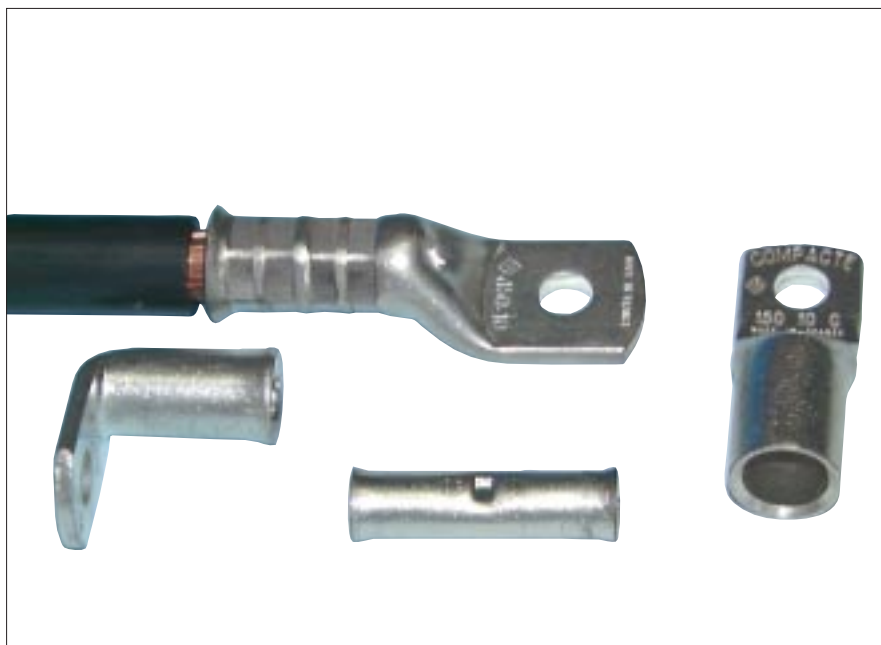




## Application

- XCT tubular Terminals and XG7T Splices are ideally suited to connect electrical copper wire to equipment's terminals or to another conductor.

## Description

- This range includes :
  - Ring Tongue Terminal,
  - Right angle Terminals,
  - Compact narrow tongue terminals,
  - Splices
- They are made of highly conductive electrolytic copper with a bright tin finish.
- They can be used with rigid stranded wires (class 2) and with flexible wires (class5).
- The wire sizes and stud holes are clearly marked in metric.
- A funnel entry design and an inspection hole ensure ease of handling.
- The application can be realised with either hexagonal crimp type or indent crimp type tooling.

## Features and benefits

|                                                                                                       |                                                                 |
|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| - Highly conductive electrolytic copper + bright tin finish.                                          | - Offers outstanding resistance to oxidation and corrosion.     |
| - A full range for cross-sections conductors from 1.5 to 630 mm <sup>2</sup> .                        | - Allow an use on many installations                            |
| - Marking of wire size and stud hole places on the part.                                              | - Allow a quick identification, easy installation and checking. |
| - Designs including ring tongue terminals, right angle, compact narrow tongue terminals, and splices. | - Allow to provide a large range of applications.               |
| - Inspection hole on the barrel                                                                       | - Allow a quick control that the conductor is well positioned.  |
| - Crimping by hexagonal compression or indent                                                         | - Can be crimped with a lot of tools used by the customers      |

## Approval

- Compliance with NFC 20 130 French standard.

### NOTE :

- *In case of use with flexible conductor, it is necessary to use next larger section :*
  - Ex : flexible wire 35mm<sup>2</sup>: use the lug (or sleeve) with marking: 50 mm<sup>2</sup>.

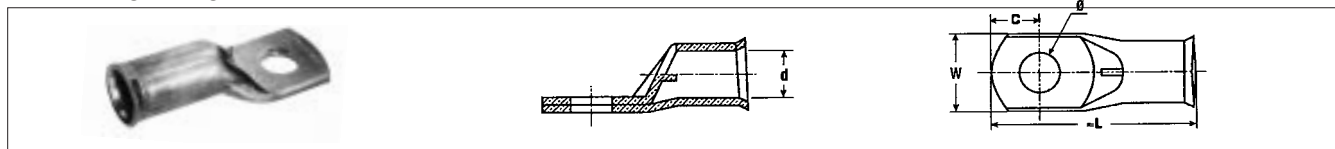
<http://energy.tycoelectronics.com>

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale.

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# Copper tubular terminals and sleeves : XCT and XG7T type

## XCT Ring Tongue Terminals



| Designation       | PN          | RPN        | Capacity<br>(mm²) | Dimensions (mm) |     |      |      |     | Stud<br>M | Weight<br>(kg) | Standard<br>Packaging |
|-------------------|-------------|------------|-------------------|-----------------|-----|------|------|-----|-----------|----------------|-----------------------|
|                   |             |            |                   | Ø               | W   | d    | C    | L   |           |                |                       |
| XCT 1,5-3         | 0-0710971-1 | 747476-000 | 1,5               | 3,2             | 6   | 1,8  | 3,25 | 17  | 3         | 0,0007         | 100                   |
| XCT 1,5-4         | 0-0710972-1 | 583886-000 |                   | 4,3             | 6,5 | 1,8  | 4    | 17  | 4         | 0,0009         | 100                   |
| XCT 1,5-5*        | 0-0710973-1 | 264854-000 |                   | 5,3             | 7,5 | 1,8  | 4,75 | 18  | 5         | 0,0009         | 100                   |
| XCT 1,5-6*        | 0-0711674-1 | 338120-000 |                   | 6,4             | 9   | 1,8  | 6,5  | 19  | 6         | 0,0010         | 100                   |
| XCT 2,5-4         | 0-0710974-1 | 218760-000 | 2,5               | 4,3             | 8   | 2,2  | 4,5  | 18  | 4         | 0,0013         | 100                   |
| XCT 2,5-5         | 0-0710975-1 | 146900-000 |                   | 5,3             | 8,5 | 2,2  | 5    | 19  | 5         | 0,0013         | 100                   |
| XCT 2,5-6*        | 0-0710976-1 | 380270-000 |                   | 6,4             | 9   | 2,2  | 6,5  | 20  | 6         | 0,0015         | 100                   |
| XCT 4-4           | 0-0710977-1 | 766724-000 | 4                 | 4,3             | 9   | 2,7  | 4,75 | 21  | 4         | 0,0024         | 100                   |
| XCT 4-5           | 0-0710978-1 | 898102-000 |                   | 5,3             | 9   | 2,7  | 4,75 | 24  | 5         | 0,0026         | 50                    |
| XCT 4-6           | 0-0710979-1 | 665128-000 |                   | 6,4             | 12  | 2,7  | 6,5  | 25  | 6         | 0,0027         | 50                    |
| XCT 6-4           | 0-0710032-1 | 977850-000 | 6                 | 4,2             | 10  | 3,3  | 7    | 31  | 4         | 0,0043         | 100                   |
| XCT 6-5           | 0-0710032-2 | 745080-000 |                   | 5,2             | 10  | 3,3  | 7    | 31  | 5         | 0,0043         | 100                   |
| XCT 6-6           | 0-0710032-4 | 107672-000 |                   | 6,4             | 13  | 3,3  | 7    | 31  | 6         | 0,0044         | 100                   |
| XCT 6-8           | 0-0710032-6 | 588770-000 |                   | 8,3             | 13  | 3,3  | 9    | 35  | 8         | 0,0045         | 100                   |
| XCT 10-4*         | 0-0710031-1 | 007658-000 | 10                | 4,2             | 11  | 4,2  | 7    | 33  | 4         | 0,0060         | 100                   |
| XCT 10-5          | 0-0710031-2 | 484566-000 |                   | 5,2             | 11  | 4,2  | 7    | 33  | 5         | 0,0065         | 100                   |
| XCT 10-6          | 0-0710031-4 | 522246-000 |                   | 6,4             | 11  | 4,2  | 7    | 33  | 6         | 0,0065         | 100                   |
| XCT 10-8          | 0-0710031-6 | 246220-000 |                   | 8,3             | 14  | 4,2  | 10   | 38  | 8         | 0,0074         | 100                   |
| XCT 10-10         | 0-0710031-8 | 234052-000 | 16                | 10,3            | 14  | 4,2  | 10   | 38  | 10        | 0,0075         | 100                   |
| XCT 16-5          | 0-0710030-1 | 894412-000 |                   | 5,2             | 12  | 5,3  | 63   | 4   | 5         | 0,0086         | 100                   |
| XCT 16-6          | 0-0710030-3 | 257220-000 |                   | 6,4             | 12  | 5,3  | 63   | 4   | 6         | 0,0087         | 100                   |
| XCT 16-8          | 0-0710030-5 | 657484-000 |                   | 8,3             | 16  | 5,3  | 9    | 39  | 8         | 0,0092         | 100                   |
| XCT 16-10         | 0-0710030-7 | 204354-000 | 25                | 10,3            | 16  | 5,3  | 11   | 43  | 10        | 0,0099         | 100                   |
| XCT 16-12*        | 0-0710030-8 | 634476-000 |                   | 12,8            | 16  | 5,3  | 11   | 44  | 12        | 0,0094         | 100                   |
| XCT 25-5*         | 0-0710026-1 | 477850-000 |                   | 5,2             | 13  | 6,6  | 7    | 35  | 5         | 0,0108         | 100                   |
| XCT 25-6          | 0-0710026-3 | 592958-000 |                   | 6,4             | 13  | 6,6  | 7    | 35  | 6         | 0,0110         | 100                   |
| XCT 25-8          | 0-0710026-5 | 572356-000 | 35                | 8,3             | 16  | 6,6  | 9    | 40  | 8         | 0,0117         | 100                   |
| XCT 25-10         | 0-0710026-7 | 428136-000 |                   | 10,3            | 16  | 6,6  | 11   | 44  | 10        | 0,0116         | 100                   |
| XCT 25-12*        | 0-0710026-8 | 081140-000 |                   | 12,8            | 16  | 6,6  | 11   | 44  | 12        | 0,0120         | 100                   |
| XCT 35-6          | 0-0710027-1 | 118978-000 |                   | 6,4             | 15  | 7,9  | 7    | 36  | 6         | 0,0140         | 50                    |
| XCT 35-8          | 0-0710027-2 | 415846-000 | 50                | 8,3             | 17  | 7,9  | 10,5 | 45  | 8         | 0,0150         | 50                    |
| XCT 35-10         | 0-0710036-3 | 792910-000 |                   | 10,3            | 17  | 7,9  | 10,5 | 45  | 10        | 0,0171         | 50                    |
| XCT 35-12*        | 0-0710036-4 | 186864-000 |                   | 12,8            | 17  | 7,9  | 10,5 | 45  | 12        | 0,0154         | 50                    |
| XCT 50-6*         | 0-0710025-3 | 326608-000 |                   | 6,4             | 18  | 9,2  | 9,5  | 49  | 6         | 0,0200         | 25                    |
| XCT 50-8          | 0-0710025-2 | 392352-000 | 60                | 8,3             | 18  | 9,2  | 9,5  | 49  | 8         | 0,0260         | 25                    |
| XCT 50-10         | 0-0710025-5 | 361896-000 |                   | 10,3            | 18  | 9,2  | 9,5  | 49  | 10        | 0,0300         | 25                    |
| XCT 50-12         | 0-0710025-7 | 375724-000 |                   | 12,8            | 19  | 9,2  | 9,5  | 49  | 12        | 0,0230         | 25                    |
| XCT 60-8*         | 0-0709817-1 | 059648-000 |                   | 8,3             | 19  | 10,5 | 10,3 | 53  | 8         | 0,0218         | 25                    |
| XCT 60-10         | 0-0709817-2 | 344944-000 | 70                | 10,3            | 19  | 10,5 | 10,3 | 53  | 10        | 0,0202         | 25                    |
| XCT 60-12         | 0-0709817-3 | 604036-000 |                   | 12,8            | 19  | 10,5 | 10,8 | 56  | 12        | 0,0200         | 25                    |
| XCT 70-8          | 0-0710028-1 | 554532-000 |                   | 8,3             | 21  | 11   | 12   | 58  | 8         | 0,0396         | 25                    |
| XCT 70-10         | 0-0710028-3 | 348884-000 |                   | 10,3            | 21  | 11   | 12   | 58  | 10        | 0,0374         | 25                    |
| XCT 70-12         | 0-0710028-5 | 357652-000 | 95                | 12,8            | 21  | 11   | 12   | 58  | 12        | 0,0376         | 25                    |
| XCT 70-16*        | 0-0710028-8 | 922802-000 |                   | 16,5            | 21  | 11   | 11,5 | 58  | 16        | 0,0362         | 25                    |
| XCT 95-8          | 0-0709819-1 | 236648-000 |                   | 8,3             | 23  | 13,1 | 12,2 | 70  | 8         | 0,0588         | 25                    |
| XCT 95-10         | 0-0709819-3 | 393154-000 |                   | 10,3            | 23  | 13,1 | 12,2 | 70  | 10        | 0,0572         | 25                    |
| XCT 95-12         | 0-0709819-5 | 222660-000 | 120               | 12,8            | 23  | 13,1 | 12,2 | 70  | 12        | 0,0560         | 25                    |
| XCT 95-14         | 0-0709819-7 | 997296-000 |                   | 14,5            | 23  | 13,1 | 12,2 | 70  | 14        | 0,0548         | 25                    |
| XCT 95-16         | 0-0709819-8 | 863992-000 |                   | 16,5            | 23  | 13,1 | 12,2 | 70  | 16        | 0,0529         | 25                    |
| XCT 120-10        | 0-0709820-1 | 200996-000 |                   | 10,3            | 28  | 14,5 | 14,5 | 76  | 10        | 0,0812         | 25                    |
| XCT 120-12        | 0-0709820-3 | 272142-000 | 150               | 12,8            | 28  | 14,5 | 14,5 | 76  | 12        | 0,0788         | 25                    |
| XCT 120-14        | 0-0709820-4 | 329366-000 |                   | 14,5            | 28  | 14,5 | 14,5 | 76  | 14        | 0,0772         | 25                    |
| XCT 120-16        | 0-0709820-6 | 373472-000 |                   | 16,5            | 28  | 14,5 | 14,5 | 76  | 16        | 0,0758         | 25                    |
| XCT 150-10        | 0-0709821-2 | 006084-000 |                   | 10,3            | 30  | 16,1 | 15,8 | 82  | 10        | 0,1035         | 10                    |
| XCT 150-12        | 0-0709821-3 | 130060-000 | 185               | 12,8            | 30  | 16,1 | 15,8 | 82  | 12        | 0,1005         | 10                    |
| XCT 150-14        | 0-0709821-4 | 320160-000 |                   | 14,5            | 30  | 16,1 | 15,8 | 82  | 14        | 0,0985         | 10                    |
| XCT 150-16        | 0-0709821-5 | 928422-000 |                   | 16,5            | 30  | 16,1 | 15,8 | 82  | 16        | 0,0965         | 10                    |
| XCT 185-12        | 0-0709822-2 | 921870-000 |                   | 12,8            | 33  | 18   | 16,8 | 88  | 12        | 0,1245         | 10                    |
| XCT 185-14        | 0-0709822-3 | 910610-000 | 240               | 14,5            | 33  | 18   | 16,8 | 88  | 14        | 0,1230         | 10                    |
| XCT 185-16        | 0-0709822-4 | 641892-000 |                   | 16,5            | 33  | 18   | 16,8 | 88  | 16        | 0,1200         | 10                    |
| XCT 240-14        | 0-0709823-3 | 308762000  |                   | 14,5            | 37  | 20,6 | 19,1 | 99  | 14        | 0,1735         | 10                    |
| XCT 240-16        | 0-0709823-4 | 116132-000 |                   | 16,5            | 37  | 20,6 | 19,1 | 99  | 16        | 0,1720         | 10                    |
| XCT 240-20        | 0-0709823-5 | 633156-000 | 300               | 21              | 37  | 20,6 | 19,1 | 99  | 20        | 0,1590         | 10                    |
| XCT 300-14        | 0-0709818-1 | 895022-000 |                   | 14,5            | 41  | 23,1 | 21   | 103 | 14        | 0,1750         | 10                    |
| XCT 300-16        | 0-0709818-3 | 850360-000 |                   | 16,5            | 41  | 23,1 | 21   | 103 | 16        | 0,1730         | 10                    |
| XCT 300-20        | 0-0709818-4 | 990666-000 |                   | 21              | 41  | 23,1 | 21   | 103 | 20        | 0,1670         | 10                    |
| XCT 400-16        | 0-0709887-1 | 268954-000 | 400               | 16,5            | 47  | 26   | 22   | 120 | 16        | 0,2800         | 3                     |
| XDT 500 60X56 NP* | 0-0708370-1 | 006246-000 | 500               | -               | 55  | 29,2 | -    | 145 | -         | 0,7360         | 1                     |
| XDT 630 60X61 NP* | 0-0708371-1 | 541750-000 | 630               | -               | 60  | 33,2 | -    | 150 | -         | 0,7300         | 1                     |

NP = without hole, (\*) = palm sizes, not in compliance with NFC 20 130

# Copper tubular terminals and sleeves : XCT and XG7T type

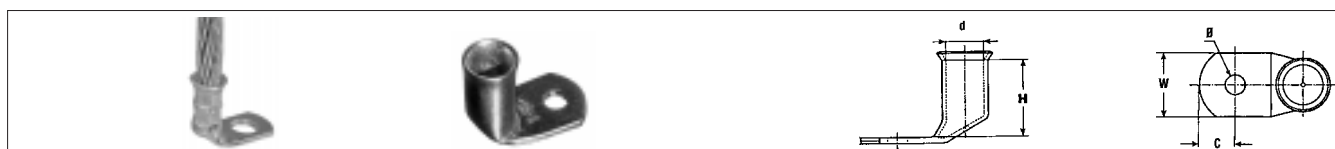
**tyco** / Electronics / Energy Division

## XG7T Splices



| Designation | PN          | RPN        | Capacity<br>(mm <sup>2</sup> ) | Dimensions (mm) |     | Weight<br>(kg) | Standard<br>Packaging |
|-------------|-------------|------------|--------------------------------|-----------------|-----|----------------|-----------------------|
|             |             |            |                                | d               | L   |                |                       |
| XG7T 1,5    | 0-0710982-1 | 522928-000 | 1,5                            | 1,8             | 15  | 0,0012         | 100                   |
| XG7T 2,5    | 0-0710983-1 | 984046-000 | 2,5                            | 2,2             | 18  | 0,0013         | 100                   |
| XG7T 4      | 0-0710984-1 | 914422-000 | 4                              | 2,7             | 22  | 0,0031         | 100                   |
| XG7T 6      | 0-0709834-1 | 016836-000 | 6                              | 3,3             | 31  | 0,0040         | 50                    |
| XG7T 10     | 0-0709835-1 | 062518-000 | 10                             | 4,2             | 39  | 0,0040         | 50                    |
| XG7T 16     | 0-0709836-1 | 845692-000 | 16                             | 5,3             | 39  | 0,0103         | 50                    |
| XG7T 25     | 0-0709837-2 | 929958-000 | 25                             | 6,6             | 39  | 0,0128         | 50                    |
| XG7T 35     | 0-0709838-1 | 516670-000 | 35                             | 7,9             | 39  | 0,0169         | 50                    |
| XG7T 50     | 0-0709839-1 | 977042-000 | 50                             | 9,2             | 50  | 0,0262         | 25                    |
| XG7T 60     | 0-0709840-1 | 232750-000 | 60                             | 10,5            | 47  | 0,0170         | 25                    |
| XG7T 70     | 0-0709841-1 | 961138-000 | 70                             | 11              | 52  | 0,0390         | 25                    |
| XG7T 95     | 0-0709842-1 | 513764-000 | 95                             | 13,1            | 65  | 0,0564         | 25                    |
| XG7T 120    | 0-0709843-1 | 120650-000 | 120                            | 14,5            | 71  | 0,0780         | 10                    |
| XG7T 150    | 0-0709844-1 | 263742-000 | 150                            | 16,2            | 78  | 0,1015         | 10                    |
| XG7T 185    | 0-0709845-1 | 918180-000 | 185                            | 18              | 86  | 0,1250         | 10                    |
| XG7T 240    | 0-0709846-1 | 610494-000 | 240                            | 20,6            | 94  | 0,1660         | 10                    |
| XG7T 300    | 0-0709847-1 | 597942-000 | 300                            | 23,1            | 102 | 0,1802         | 5                     |
| XG7T 400    | 0-0709574-1 | 246948-000 | 400                            | 26              | 102 | 0,2062         | 5                     |

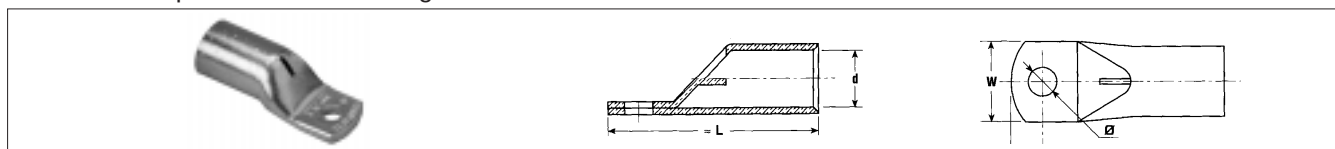
## XCT..EQ, : Right angle Terminals



| Designation   | PN          | RPN        | Capacity<br>(mm <sup>2</sup> ) | Ø    | Dimensions (mm) |      |      |      |  | Stud<br>M | Weight<br>(kg) | Standard<br>Packaging |
|---------------|-------------|------------|--------------------------------|------|-----------------|------|------|------|--|-----------|----------------|-----------------------|
|               |             |            |                                |      | W               | d    | C    | H    |  |           |                |                       |
| XCT 6-6 EQ    | 0-0708470-1 | 331510-000 | 6                              | 6,5  | 13              | 3,3  | 7,5  | 14,4 |  | 6         | -              | 100                   |
| XCT 10-6 EQ   | 0-0708471-1 | 476454-000 | 10                             | 6,5  | 11              | 4,2  | 6,5  | 12,2 |  | 6         | 0,0050         | 100                   |
| XCT 10-8 EQ   | 0-0708471-2 | 318714-000 | 10                             | 8,5  | 12              | 4,2  | 10   | 12,2 |  | 8         | 0,0060         | 100                   |
| XCT 16-6 EQ   | 0-0708472-1 | 267314-000 | 16                             | 6,5  | 12              | 5,3  | 6,25 | 13   |  | 6         | 0,0070         | 100                   |
| XCT 16-8 EQ   | 0-0708472-2 | 736286-000 | 16                             | 8,5  | 16              | 5,3  | 9    | 12,8 |  | 8         | 0,0080         | 100                   |
| XCT 25-6 EQ   | 0-0708412-1 | 862906-000 | 25                             | 6,5  | 13              | 6,6  | 6,25 | 13,5 |  | 6         | 0,0117         | 100                   |
| XCT 25-8 EQ   | 0-0708412-2 | 545748-000 | 25                             | 8,5  | 16              | 6,6  | 10   | 13,5 |  | 8         | 0,0132         | 100                   |
| XCT 35-6 EQ   | 0-0708473-1 | 391712-000 | 35                             | 6,5  | 15              | 7,9  | 7,5  | 14   |  | 6         | 0,0163         | 50                    |
| XCT 35-8 EQ   | 0-0708473-2 | 349164-000 | 35                             | 8,5  | 17              | 7,9  | 10   | 14,5 |  | 8         | 0,0140         | 50                    |
| XCT 35-10 EQ  | 0-0708473-3 | 108500-000 | 35                             | 10,5 | 17              | 7,9  | 12   | 22   |  | 10        | -              | 50                    |
| XCT 50-6 EQ   | 0-0708474-1 | 517876-000 | 50                             | 6,5  | 17              | 9,2  | 6,25 | 28   |  | 6         | -              | 50                    |
| XCT 50-8 EQ   | 0-0708474-2 | 475098-000 | 50                             | 8,5  | 18              | 9,2  | 10   | 18,3 |  | 8         | 0,0288         | 25                    |
| XCT 50-10 EQ  | 0-0708474-3 | 352900-000 | 50                             | 10,5 | 18              | 9,2  | 12   | 18,5 |  | 10        | 0,0242         | 25                    |
| XCT 70-10 EQ  | 0-0708476-1 | 412716-000 | 70                             | 10,5 | 21              | 11   | 12   | 19,5 |  | 10        | 0,0398         | 25                    |
| XCT 70-12 EQ  | 0-0708476-2 | 955970-000 | 70                             | 13   | 21              | 11   | 13   | 19,5 |  | 12        | -              | 25                    |
| XCT 95-10 EQ  | 0-0708477-1 | 690846-000 | 95                             | 10,5 | 23              | 13,1 | 12   | 35   |  | 10        | -              | 25                    |
| XCT 95-12 EQ  | 0-0708477-2 | 406338-000 | 95                             | 13   | 23              | 13,1 | 13   | 35   |  | 12        | 0,0400         | 25                    |
| XCT 120-10 EQ | 0-0708478-1 | 838050-000 | 120                            | 10,5 | 28              | 14,5 | 12   | 38   |  | 10        | -              | 25                    |
| XCT 150-12 EQ | 0-0708479-1 | 002186-000 | 150                            | 13   | 28              | 16,2 | 15   | 40   |  | 12        | -              | 10                    |

Other dimensions on request.

## XCT.C Compact Narrow Tongue terminals



| Designation  | PN          | RPN        | Capacity<br>(mm <sup>2</sup> ) | Ø    | Dimensions (mm) |      |      |      |  | Stud<br>M | Weight<br>(kg) | Standard<br>Packaging |
|--------------|-------------|------------|--------------------------------|------|-----------------|------|------|------|--|-----------|----------------|-----------------------|
|              |             |            |                                |      | W               | d    | C    | L    |  |           |                |                       |
| XCT,C 120-10 | 0-0708461-1 | 458994-000 | 120                            | 10,3 | 24,5            | 14,3 | 11,5 | 63   |  | 10        | 0,0644         | 25                    |
| XCT,C 150-10 | 0-0708462-1 | 913502-000 | 150                            | 10,3 | 24,5            | 16   | 11,5 | 64,5 |  | 10        | 0,0800         | 10                    |
| XCT,C 185-10 | 0-0708463-1 | 691256-000 | 185                            | 10,3 | 24,5            | 17,8 | 11,5 | 72,5 |  | 10        | 0,0980         | 10                    |
| XCT,C 240-10 | 0-0708464-1 | 666084-000 | 240                            | 10,3 | 31              | 20,4 | 11,5 | 74   |  | 10        | 0,1230         | 10                    |
| XCT,C 300-10 | 0-0708465-1 | 499082-000 | 300                            | 10,3 | 31              | 22,9 | 11,5 | 83   |  | 10        | 0,1380         | 10                    |

Other dimensions on request.