



| ITEM | UNITS | 1 | 2 |
|--------------------------------------|--------|----------|----------|
| ITEM NUMBER | - | 2725 | 2733 |
| CONDUCTOR AREA | SQ.MM | 2.5 | 4 |
| CONDUCTOR STRANDING | - | 7/0.67 | 7/0.85 |
| CONDUCTOR DIAMETER | mm | 2.01 | 2.55 |
| INSULATION THICKNESS | mm | 0.7 | 0.8 |
| SHEATH THICKNESS | mm | 1.0 | 1.0 |
| OVERALL DIAMETER | mm | 12.7x5.7 | 14.3x6.5 |
| MASS | kg/km | 165 | 165 |
| BENDING RADIUS - DURING INSTALLATION | mm | 76 | 76 |
| BENDING RADIUS - INSTALLED | mm | 51 | 51 |
| RATED PULLING TENSION | N | 525 | 735 |
| RATED VOLTAGE | V | 450/750 | 450/750 |
| RATED CURRENT - FREE AIR | A | 23 | 31 |
| RATED CURRENT - DIRECT BURIED | A | 34 | 44 |
| RATED CURRENT - IN DUCT | A | 26 | 34 |
| D.C. RESISTANCE, 20°C | Ohm/km | 7.41 | 4.61 |
| A.C. RESISTANCE, 50Hz @ 90°C | Ohm/km | 9.45 | 5.88 |
| Eq. STAR REACTANCE @ 50Hz | Ohm/km | 0.159 | 0.152 |
| 3ph VOLTAGE DROP, 50Hz @ 90°C | V/A.m | 16.4 | 10.4 |

NOTES:

- TO CONFORM TO AS 5000.2, AS 1125, AS 3808, & STSP 05-002
- INSULATION:
 - CORES - RED AND BLACK
 - EARTH - GREEN/YELLOW

| | |
|------------|--|
| 3 | SHEATH - 3V-90 PVC - WHITE/GREY |
| 2 | INSULATION - V-90 PVC - RED, BLACK OR GREEN/YELLOW |
| 1 | CONDUCTOR - COPPER, PLAIN ANNEALED |
| TAG NUMBER | DESCRIPTION |

| NO | DESCRIPTION | DRN | DATE | CKD | APPD |
|----|---|------|--------|------|------|
| 13 | REFORMATTED TABLES, REMOVED NOTE 3, EDITED NOTE 2 & TITLE | A.N. | FEB'22 | B.V. | B.C. |
| 12 | ITEM 2717 REMOVED, TABLE REDRAWN | MSC | MAR'20 | C.C. | B.C. |
| 11 | TITLEBLOCK & DRAWING NUMBER FORMATTED | K.T. | JAN'19 | C.C. | C.C. |
| 10 | REDRAWN IN CAD CABLE NOTES & CABLE DETAIL UPDATED. | K.I. | FEB'05 | J.D. | C.C. |
| 9 | OR GREY ADDED TO SHEATH COLOUR | - | 05/91 | - | - |
| 8 | TITLE & DRG NUMBER CHANGED NOTE CHANGED NOTE 2 ADDED | - | 05/88 | - | - |
| 7 | ITEM & STOCK CODE ADDED | - | 01/87 | - | - |
| 6 | REDRAWN & REDESIGNED | - | 01/85 | - | - |



| DES | | POWER STANDARD DRAWING | |
|-------------------------------|---------|-------------------------------------|-----------------------------|
| DRN | R.HAIGH | CABLES | |
| CKD | A.SYME | COPPER - TWIN CORE AND EARTH | |
| APPD | ... | 450/750V | |
| SCALE | NTS | PVC/PVC | |
| ISSUED | 6/11/85 | A3 | DRAWING NUMBER S02-01-01-14 |
| ALL DIM. IN mm | | | |
| DRAFTING STANDARD TO A.S.1100 | | CAD PRODUCT - DO NOT AMEND MANUALLY | |

