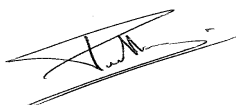


| | | | |
|-------------------------------|-------------------------|-------------------------------------|------------|
| ANGY PLANT Automotive part | PART NUMBER / REFERENCE | P7090*** / P7091560 | 17/12/2012 |
| | PART NAME / DESIGNATION | 48 AU S2 N 10 to 95 mm ² | |
| | STANDARD / NORME | NFR 13414-13415 | |


| MATERIALS/ MATIERES / DESCRIPTIVE / DESCRIPTIF | |
|--|---|
| CONDUCTOR / AME | Plain copper Cu-ETP1 according to DIN EN 13602 / Cuivre rouge recuit CU-ETP1 suivant la DIN EN 13602 |
| INSULATION MATERIAL / MATIERE D'ISOLATION | PVC in conformity with European Directive 2000/53/CE PVC en conformité avec la Directive Européenne 2000/53/CE |
| TEMPERATURE RATING / TEMPERATURE DE SERVICE | -40°C / +100°C |
| COLORS / COLORIS | On request / à la demande |
| IDENTIFICATION / MARQUAGE | " 48 AU - S2 N « section »-NF R 13-414 – 266" in ink with lay length / avec un pas de 270mm ± 10 mm |

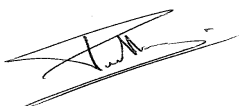

| PART NUMBER / REFERENCE | CONDUCTOR / AME | | | | | INSULATION / ISOLATION | | |
|-------------------------------|---|--|---|---|--|--|---|---|
| | INDICATIVE CROSS SECTION / SECTION INDICATIVE (mm ²) | NB OF STRANDS (approx.) / NB DE BRINS INDICATIF | MAXI DIAMETER OF STRAND / DIAMETRE MAXI BRINS (mm) | NOMINAL DIAMETER /DIAMETRE NOMINAL (mm) | MAXI DC RESISTANCE at 20°C / RESISTANCE LINEIQUE MAXI à 20°C (Ω/km) | NOMINAL THICKNESS / EPAISSEUR NOMINALE/ (mm) | MINI DIAMETER /DIAMETRE MINI (mm) | MAXI DIAMETER /DIAMETRE MAXI (mm) |
| P7090421 | 10 | 144 | 0.30 | 4.5 | 1.91 | 0.90 | 5.7 | 7.6 |
| P7090441 | 16 | 126 | 0.40 | 5.5 | 1.21 | 1.15 | 6.7 | 8.8 |
| P7090450 | 20 | 161 | 0.40 | 6 | 0.99 | 1.35 | 7.5 | 10.2 |
| P7090471 | 25 | 196 | 0.40 | 6.5 | 0.78 | 1.35 | 9.1 | 10.6 |
| P7090480 | 30 | 247 | 0.39 | 7.5 | 0.65 | 1.20 | 9.9 | 10.6 |
| P7090491 | 35 | 266 | 0.40 | 7.65 | 0.554 | 1.15 | 10.25 | 12.0 |
| P7090500 | 40 | 189 | 0.50 | 8.6 | 0.493 | 1.30 | 10.2 | 12.4 |
| P7090521 | 50 | 259 | 0.50 | 9.4 | 0.386 | 1.40 | 12.5 | 13.2 |
| P7090541 | 60 | 210 | 0.60 | 10 | 0.308 | 1.40 | 13.6 | 14.5 |
| P7091560 | 70 | 570 | 0.40 | 10.9 | 0.272 | 2.05 | 14.0 | 15.0 |
| P7090570 | 75 | 259 | 0.60 | 12.6 | 0.249 | 1.50 | 15.0 | 15.8 |
| P7090580 | 95 | 440 | 0.50 | 12 | 0.206 | 1.50 | 16.3 | 19.0 |




| | | | |
|-------------------------------|-------------------------|-------------------------------------|------------|
| ANGY PLANT Automotive part | PART NUMBER / REFERENCE | P7090*** / P7091560 | 17/12/2012 |
| | PART NAME / DESIGNATION | 48 AU S2 N 10 to 95 mm ² | |
| | STANDARD / NORME | NFR 13414-13415 | |

| CHARACTERISTICS / CARACTERISTIQUES | | |
|------------------------------------|---|--|
| CONDUCTOR / AME | Mechanical resistance / Résistance mécanique | Elongation of the unit strand / Allongement des brins unitaires : ≥ 15 % |
| INSULATION / ISOLATION | Spark test (direct current) / Sparker test (courant continu) | From 5400 V to 7700 V |

| STORAGE / STOCKAGE | | |
|---|--|---|
| Temperature of storage / Température de stockage | - 40°C à +85°C | in original packaging dans conditionnement d'origine |
| Sealing process / Surmoulage | Possible with PVC type materials Possible avec matière de type PVC | |
| For a long storage / Bouchonnage |  | If the cable is still unused during a long period. Sealing of the ends of the cables with hot wax to avoid oxydation. See the picture / Si câble inutilisé pendant longue période. Bouchonnage à la cire chaude des extrémités du câble pour éviter l'oxydation suivant photo jointe |

| | |
|---|---|
| DEVELOPMENT DEPARTMENT/ SERVICE DEVELOPPMENT Checked by/Vérifié par David PAILLERY  | QUALITY MANAGER/SERVICE QUALITE Approved by/Approuvé par Florent DUPONT  |
|---|---|