

TENSIONES Y FLECHAS

Conductor de fase: LA-110

Diámetro (mm): 14

Coef. Dilatación (°C): 1,78E-5

Peso (Kg/m): 0,433

Mod. Elasticidad (Kg/mm2): 8200

Sección (mm2): 116,2

Carga Rotura (Kg): 4400

| | | | | | | Zona A | Zona B | Zona C | | Zona A | Zona B | Zona C | Zona A | Zona B | | Zona C | | Tens. (50°C) | | Tens.(15°C+V) | | Tens.(0°C+H) | | | |
|-------|------|----------------|-----------------------------|---------------|--------------------|--------------|--------------|--------------|---------|---------------------|----------------------|----------------------|------------------|-------------------|-------------------|-------------------|-------------------|---------------|------------|---------------|------------|---------------|------------|----------------|----------------|
| Vano | Zona | Long. Vano (m) | Desnivel de conductores (m) | Vano Reg. (m) | Tensión max. (Kg.) | EDS 15°C (%) | EDS 10°C (%) | EDS 10°C (%) | CHS (%) | Tens.(Kg) -5°C+1/2V | Tens.(Kg) -10°C+1/2V | Tens.(Kg) -15°C+1/2V | Tens.(Kg) -5°C+V | Tens.(Kg) -10°C+V | Tens.(Kg) -15°C+H | Tens.(Kg) -15°C+V | Tens.(Kg) -20°C+H | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Flecha mín.(m) | Flecha max.(m) |
| 1-2 | B | 265 | 27 | 256 | 1436 | --- | 14,45 | --- | 15,79 | --- | 917 | --- | --- | 1265 | 1436 | --- | --- | 524 | 7,29 | 1151 | 7,36 | 1361 | 7,27 | 5,16 | 7,36 |
| 2-3 | B | 265 | 26,1 | 256 | 1436 | --- | 14,45 | --- | 15,79 | --- | 917 | --- | --- | 1265 | 1436 | --- | --- | 524 | 7,29 | 1151 | 7,36 | 1361 | 7,27 | 5,15 | 7,36 |
| 3-4 | B | 275 | 18,75 | 256 | 1436 | --- | 14,45 | --- | 15,79 | --- | 917 | --- | --- | 1265 | 1436 | --- | --- | 524 | 7,83 | 1151 | 7,9 | 1361 | 7,81 | 5,54 | 7,9 |
| 4-5 | B | 196 | 11,63 | 256 | 1436 | --- | 14,45 | --- | 15,79 | --- | 917 | --- | --- | 1265 | 1436 | --- | --- | 524 | 3,97 | 1151 | 4,01 | 1361 | 3,96 | 2,81 | 4,01 |
| 5-6 | B | 225 | -4,5 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 6-7 | B | 225 | -6,31 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 7-8 | B | 265 | 20,16 | 265 | 1438 | --- | 14,37 | --- | 15,61 | --- | 910 | --- | --- | 1266 | 1438 | --- | --- | 527 | 7,24 | 1157 | 7,31 | 1366 | 7,22 | 5,23 | 7,31 |
| 8-9 | B | 265 | 18,52 | 265 | 1438 | --- | 14,37 | --- | 15,61 | --- | 910 | --- | --- | 1266 | 1438 | --- | --- | 527 | 7,24 | 1157 | 7,31 | 1366 | 7,22 | 5,22 | 7,31 |
| 9-10 | B | 225 | 6,35 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 10-11 | B | 225 | 6,82 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 11-12 | B | 225 | -9,06 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,42 | 5,34 |
| 12-13 | B | 225 | -23,17 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,32 | 1138 | 5,37 | 1349 | 5,28 | 3,43 | 5,37 |

TENSIONES Y FLECHAS

Conductor de fase: LA-110

Diámetro (mm): 14

Coef. Dilatación (°C): 1,78E-5

Peso (Kg/m): 0,433

Mod. Elasticidad (Kg/mm2): 8200

Sección (mm2): 116,2

Carga Rotura (Kg): 4400

| | | | | | | Zona A | Zona B | Zona C | | Zona A | Zona B | Zona C | Zona A | Zona B | | Zona C | | Tens. (50°C) | | Tens.(15°C+V) | | Tens.(0°C+H) | | | |
|-------|------|----------------|-----------------------------|---------------|-------------------|--------------|--------------|--------------|---------|---------------------|----------------------|----------------------|------------------|-------------------|-------------------|-------------------|-------------------|---------------|------------|---------------|------------|---------------|------------|----------------|----------------|
| Vano | Zona | Long. Vano (m) | Desnivel de conductores (m) | Vano Reg. (m) | Tensión max.(Kg.) | EDS 15°C (%) | EDS 10°C (%) | EDS 10°C (%) | CHS (%) | Tens.(Kg) -5°C+1/2V | Tens.(Kg) -10°C+1/2V | Tens.(Kg) -15°C+1/2V | Tens.(Kg) -5°C+V | Tens.(Kg) -10°C+V | Tens.(Kg) -15°C+H | Tens.(Kg) -15°C+V | Tens.(Kg) -20°C+H | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Flecha mín.(m) | Flecha max.(m) |
| 13-14 | B | 225 | -0,11 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 14-15 | B | 225 | 6,25 | 203 | 1411 | --- | 15 | --- | 17,09 | --- | 957 | --- | --- | 1254 | 1411 | --- | --- | 501 | 5,48 | 1105 | 5,5 | 1314 | 5,4 | 3,31 | 5,5 |
| 15-16 | B | 170 | 3,34 | 203 | 1411 | --- | 15 | --- | 17,09 | --- | 957 | --- | --- | 1254 | 1411 | --- | --- | 501 | 3,12 | 1105 | 3,14 | 1314 | 3,08 | 1,89 | 3,14 |
| 16-17 | B | 225 | -25,39 | 225 | 1434 | --- | 14,93 | --- | 16,71 | --- | 950 | --- | --- | 1270 | 1434 | --- | --- | 517 | 5,34 | 1135 | 5,39 | 1345 | 5,3 | 3,45 | 5,39 |
| 17-18 | B | 225 | -28 | 225 | 1434 | --- | 14,93 | --- | 16,71 | --- | 950 | --- | --- | 1270 | 1434 | --- | --- | 517 | 5,35 | 1135 | 5,39 | 1345 | 5,31 | 3,46 | 5,39 |
| 18-19 | B | 225 | 4,21 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 19-20 | B | 225 | 2,9 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 20-21 | B | 265 | 23,95 | 265 | 1438 | --- | 14,37 | --- | 15,61 | --- | 910 | --- | --- | 1266 | 1438 | --- | --- | 527 | 7,25 | 1157 | 7,32 | 1366 | 7,23 | 5,23 | 7,32 |
| 21-22 | B | 265 | 26,68 | 265 | 1436 | --- | 14,33 | --- | 15,56 | --- | 908 | --- | --- | 1263 | 1436 | --- | --- | 526 | 7,27 | 1155 | 7,34 | 1364 | 7,25 | 5,25 | 7,34 |
| 22-23 | B | 225 | 1,31 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 23-24 | B | 225 | -4,5 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 24-25 | B | 225 | -9,97 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,42 | 5,34 |

TENSIONES Y FLECHAS

Conductor de fase: LA-110

Diámetro (mm): 14

Coef. Dilatación (°C): 1,78E-5

Peso (Kg/m): 0,433

Mod. Elasticidad (Kg/mm2): 8200

Sección (mm2): 116,2

Carga Rotura (Kg): 4400

| | | | | | | Zona A | Zona B | Zona C | | Zona A | Zona B | Zona C | Zona A | Zona B | | Zona C | | Tens. (50°C) | | Tens.(15°C+V) | | Tens.(0°C+H) | | | |
|-------|------|----------------|-----------------------------|---------------|-------------------|--------------|--------------|--------------|---------|---------------------|----------------------|----------------------|------------------|-------------------|-------------------|-------------------|-------------------|---------------|------------|---------------|------------|---------------|------------|----------------|----------------|
| Vano | Zona | Long. Vano (m) | Desnivel de conductores (m) | Vano Reg. (m) | Tensión max.(Kg.) | EDS 15°C (%) | EDS 10°C (%) | EDS 10°C (%) | CHS (%) | Tens.(Kg) -5°C+1/2V | Tens.(Kg) -10°C+1/2V | Tens.(Kg) -15°C+1/2V | Tens.(Kg) -5°C+V | Tens.(Kg) -10°C+V | Tens.(Kg) -15°C+H | Tens.(Kg) -15°C+V | Tens.(Kg) -20°C+H | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Flecha mín.(m) | Flecha max.(m) |
| 25-26 | B | 225 | -26,83 | 225 | 1434 | --- | 14,94 | --- | 16,72 | --- | 950 | --- | --- | 1271 | 1434 | --- | --- | 517 | 5,34 | 1136 | 5,39 | 1346 | 5,31 | 3,45 | 5,39 |
| 26-27 | B | 225 | -13,53 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,3 | 1138 | 5,35 | 1349 | 5,27 | 3,42 | 5,35 |
| 27-28 | B | 225 | 12,22 | 241 | 1438 | --- | 14,71 | --- | 16,25 | --- | 934 | --- | --- | 1270 | 1438 | --- | --- | 522 | 5,26 | 1147 | 5,31 | 1357 | 5,23 | 3,57 | 5,31 |
| 28-29 | B | 255 | 15,36 | 241 | 1438 | --- | 14,71 | --- | 16,25 | --- | 934 | --- | --- | 1270 | 1438 | --- | --- | 522 | 6,76 | 1147 | 6,82 | 1357 | 6,73 | 4,59 | 6,82 |
| 29-30 | B | 255 | 33,15 | 236 | 1429 | --- | 14,66 | --- | 16,25 | --- | 932 | --- | --- | 1263 | 1429 | --- | --- | 517 | 6,87 | 1137 | 6,92 | 1346 | 6,82 | 4,61 | 6,92 |
| 30-31 | B | 210 | 21,96 | 236 | 1429 | --- | 14,66 | --- | 16,25 | --- | 932 | --- | --- | 1263 | 1429 | --- | --- | 517 | 4,64 | 1137 | 4,68 | 1346 | 4,61 | 3,11 | 4,68 |
| 31-32 | B | 225 | -11,61 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,3 | 1138 | 5,35 | 1349 | 5,26 | 3,42 | 5,35 |
| 32-33 | B | 225 | -17,5 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,31 | 1138 | 5,35 | 1349 | 5,27 | 3,42 | 5,35 |
| 33-34 | B | 225 | -15,76 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,3 | 1138 | 5,35 | 1349 | 5,27 | 3,42 | 5,35 |
| 34-35 | B | 225 | -22,14 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,31 | 1138 | 5,36 | 1349 | 5,28 | 3,43 | 5,36 |
| 35-36 | B | 225 | -5,96 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |
| 36-37 | B | 225 | -5,33 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,41 | 5,34 |

TENSIONES Y FLECHAS

Conductor de fase: LA-110

Diámetro (mm): 14

Coef. Dilatación (°C): 1,78E-5

Peso (Kg/m): 0,433

Mod. Elasticidad (Kg/mm2): 8200

Sección (mm2): 116,2

Carga Rotura (Kg): 4400

| | | | | | | Zona A | Zona B | Zona C | | Zona A | Zona B | Zona C | Zona A | Zona B | | Zona C | | Tens. (50°C) | | Tens.(15°C+V) | | Tens.(0°C+H) | | | |
|-------|------|----------------|-----------------------------|---------------|-------------------|--------------|--------------|--------------|---------|---------------------|----------------------|----------------------|------------------|-------------------|-------------------|-------------------|-------------------|---------------|------------|---------------|------------|---------------|------------|----------------|----------------|
| Vano | Zona | Long. Vano (m) | Desnivel de conductores (m) | Vano Reg. (m) | Tensión max.(Kg.) | EDS 15°C (%) | EDS 10°C (%) | EDS 10°C (%) | CHS (%) | Tens.(Kg) -5°C+1/2V | Tens.(Kg) -10°C+1/2V | Tens.(Kg) -15°C+1/2V | Tens.(Kg) -5°C+V | Tens.(Kg) -10°C+V | Tens.(Kg) -15°C+H | Tens.(Kg) -15°C+V | Tens.(Kg) -20°C+H | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Flecha mín.(m) | Flecha max.(m) |
| 37-38 | B | 265 | 15,61 | 265 | 1438 | --- | 14,37 | --- | 15,61 | --- | 910 | --- | --- | 1266 | 1438 | --- | --- | 527 | 7,23 | 1157 | 7,3 | 1366 | 7,21 | 5,22 | 7,3 |
| 38-39 | B | 265 | 26 | 229 | 1437 | --- | 14,91 | --- | 16,64 | --- | 948 | --- | --- | 1272 | 1437 | --- | --- | 519 | 7,37 | 1140 | 7,43 | 1350 | 7,32 | 4,81 | 7,43 |
| 39-40 | B | 225 | 16,34 | 229 | 1437 | --- | 14,91 | --- | 16,64 | --- | 948 | --- | --- | 1272 | 1437 | --- | --- | 519 | 5,3 | 1140 | 5,35 | 1350 | 5,27 | 3,46 | 5,35 |
| 40-41 | B | 225 | 11,53 | 229 | 1437 | --- | 14,91 | --- | 16,64 | --- | 948 | --- | --- | 1272 | 1437 | --- | --- | 519 | 5,29 | 1140 | 5,34 | 1350 | 5,26 | 3,46 | 5,34 |
| 41-42 | B | 170 | 10,1 | 229 | 1437 | --- | 14,91 | --- | 16,64 | --- | 948 | --- | --- | 1272 | 1437 | --- | --- | 519 | 3,02 | 1140 | 3,05 | 1350 | 3 | 1,97 | 3,05 |
| 42-43 | B | 225 | -24,19 | 225 | 1429 | --- | 14,85 | --- | 16,61 | --- | 945 | --- | --- | 1265 | 1429 | --- | --- | 515 | 5,36 | 1131 | 5,4 | 1341 | 5,32 | 3,47 | 5,4 |
| 43-44 | B | 225 | -32,05 | 225 | 1429 | --- | 14,85 | --- | 16,61 | --- | 945 | --- | --- | 1265 | 1429 | --- | --- | 515 | 5,38 | 1131 | 5,42 | 1341 | 5,34 | 3,49 | 5,42 |
| 44-45 | B | 265 | 18,97 | 265 | 1438 | --- | 14,37 | --- | 15,61 | --- | 910 | --- | --- | 1266 | 1438 | --- | --- | 527 | 7,24 | 1157 | 7,31 | 1366 | 7,22 | 5,23 | 7,31 |
| 45-46 | B | 265 | 23,78 | 265 | 1438 | --- | 14,37 | --- | 15,61 | --- | 910 | --- | --- | 1266 | 1438 | --- | --- | 527 | 7,25 | 1157 | 7,32 | 1366 | 7,23 | 5,23 | 7,32 |
| 46-47 | B | 225 | -31,6 | 225 | 1406 | --- | 14,47 | --- | 16,13 | --- | 923 | --- | --- | 1244 | 1406 | --- | --- | 505 | 5,48 | 1114 | 5,51 | 1321 | 5,42 | 3,6 | 5,51 |
| 47-48 | B | 225 | -46,11 | 225 | 1406 | --- | 14,47 | --- | 16,13 | --- | 923 | --- | --- | 1244 | 1406 | --- | --- | 505 | 5,54 | 1114 | 5,57 | 1321 | 5,48 | 3,64 | 5,57 |
| 48-49 | B | 225 | -16,15 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,3 | 1138 | 5,35 | 1349 | 5,27 | 3,42 | 5,35 |

TENSIONES Y FLECHAS

Conductor de fase: LA-110

Diámetro (mm): 14

Coef. Dilatación (°C): 1,78E-5

Peso (Kg/m): 0,433

Mod. Elasticidad (Kg/mm2): 8200

Sección (mm2): 116,2

Carga Rotura (Kg): 4400

| Vano | Zona | Long. Vano (m) | Desnivel de conductores (m) | Vano Reg. (m) | Tensión max. (Kg.) | Zona A | | | | Zona B | | | | Zona C | | | | Tens. (50°C) | | Tens. (15°C+V) | | Tens. (0°C+H) | | Flecha mín. (m) | Flecha max. (m) |
|-------|------|----------------|-----------------------------|---------------|--------------------|--------------|--------------|--------------|---------|----------------------|-----------------------|-----------------------|-------------------|--------------------|--------------------|--------------------|--------------------|---------------|------------|----------------|------------|---------------|------------|-----------------|-----------------|
| | | | | | | EDS 15°C (%) | EDS 10°C (%) | EDS 10°C (%) | CHS (%) | Tens. (Kg) -5°C+1/2V | Tens. (Kg) -10°C+1/2V | Tens. (Kg) -15°C+1/2V | Tens. (Kg) -5°C+V | Tens. (Kg) -10°C+V | Tens. (Kg) -15°C+H | Tens. (Kg) -15°C+V | Tens. (Kg) -20°C+H | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | Tensión (Kg.) | Flecha (m) | | |
| 49-50 | B | 225 | -13,5 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,3 | 1138 | 5,35 | 1349 | 5,27 | 3,42 | 5,35 |
| 50-51 | B | 225 | -8,22 | 225 | 1438 | --- | 15 | --- | 16,8 | --- | 954 | --- | --- | 1274 | 1438 | --- | --- | 518 | 5,29 | 1138 | 5,34 | 1349 | 5,26 | 3,42 | 5,34 |
| 51-52 | B | 225 | -0,6 | 203 | 1410 | --- | 15 | --- | 17,1 | --- | 957 | --- | --- | 1253 | 1410 | --- | --- | 501 | 5,48 | 1105 | 5,5 | 1314 | 5,4 | 3,31 | 5,5 |
| 52-53 | B | 169 | -3,8 | 203 | 1410 | --- | 15 | --- | 17,1 | --- | 957 | --- | --- | 1253 | 1410 | --- | --- | 501 | 3,09 | 1105 | 3,1 | 1314 | 3,05 | 1,87 | 3,1 |