# FLR4Y

**100°C, 25/60V**



## Construction
**Conductor:** Flexible Bare Copper or Flexible Tinned Copper
**Insulation:** Extruded · PA (Polyamide)

## Thermal Characteristics
**Operating Temperature:** 100°C

## Electrical Characteristics
**Operating Voltage:** 25/60V

## Application
**Automotive Low-Voltage Circuits:** Abrasion-resistant thin-wall primary wiring for low-voltage automotive circuits.

## General Characteristics
**Abrasion Resistance:** Withstands abrasion and chafing in harness routing.
**Fluid Resistance:** Resists gasoline, diesel and engine oil in vehicle service.

## Standards & Approvals
**ISO 19642-3:** Low-voltage single-core cables for automobiles.
**ISO 6722-1:** Test methods for single-core automotive cables.

### FLR4Y-A

| CASMO Part No. | Conductor | | | | Min. Ins. Thickness (mm) | Max. Overall O.D. (mm) | Max. DCR @20°C (Ω/km) | | Nom. Cable Weight (kg/km) |
|---|---|---|---|---|---|---|---|---|---|
| | Conductor Size (mm²) | No. Of Strands | Max. Strand Dia. (mm) | Max. Conductor Dia. (mm) | | | BC | TPC | |
| 160030.13/7-**-XX | 0.13 | 7 | 0.16 | 0.50 | 0.20 | 1.05 | 136 | 140 | 1.9 |
| 160030.22/7-**-XX | 0.22 | 7 | 0.21 | 0.70 | 0.20 | 1.20 | 84.8 | 86.5 | 2.9 |
| 160030.35/7-**-XX | 0.35 | 7 | 0.27 | 0.80 | 0.20 | 1.30 | 54.4 | 55.5 | 4.5 |
| 160030.5/19-**-XX | 0.5 | 19 | 0.19 | 1.00 | 0.22 | 1.60 | 37.1 | 38.2 | 5.9 |
| 160030.75/19-**-XX | 0.75 | 19 | 0.24 | 1.20 | 0.24 | 1.90 | 24.7 | 25.4 | 8.7 |
| 160031/19-**-XX | 1 | 19 | 0.27 | 1.35 | 0.24 | 2.10 | 18.5 | 19.1 | 11.2 |
| 160031.5/19-**-XX | 1.5 | 19 | 0.33 | 1.70 | 0.24 | 2.40 | 12.7 | 13 | 15.8 |
| 160032.5/19-**-XX | 2.5 | 19 | 0.41 | 2.20 | 0.28 | 3.00 | 7.6 | 7.82 | 26.2 |

**Table Notes**

† Part No. code: XX = colour code — BK Black, WH White, RD Red, GN Green, BN Brown, BL Blue, OR Orange, YW Yellow, VT Violet, GY Grey, PK Pink, TN Tan, CL Clear.

‡ Replace ** with the conductor code: AS for bare copper or TS for tinned copper.

### FLR4Y-B

| CASMO Part No. | Conductor | | | | Min. Ins. Thickness (mm) | Max. Overall O.D. (mm) | Max. DCR @20°C (Ω/km) | | Nom. Cable Weight (kg/km) |
|---|---|---|---|---|---|---|---|---|---|
| | Conductor Size (mm²) | No. Of Strands | Max. Strand Dia. (mm) | Max. Conductor Dia. (mm) | | | BC | TPC | |
| 160030.35/12-**-XX | 0.35 | 12 | 0.21 | 0.90 | 0.20 | 1.40 | 54.4 | 55.5 | 4.4 |
| 160030.5/16-**-XX | 0.5 | 16 | 0.21 | 1.00 | 0.22 | 1.60 | 37.1 | 38.2 | 5.9 |

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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# FLR4Y

## 100°C, 25/60V



### FLR4Y-B

| CASMO Part No. | Conductor | | | | Min. Ins. Thickness (mm) | Max. Overall O.D. (mm) | Max. DCR @20°C (Ω/km) | | Nom. Cable Weight (kg/km) |
|---|---|---|---|---|---|---|---|---|---|
| | Conductor Size (mm²) | No. Of Strands | Max. Strand Dia. (mm) | Max. Conductor Dia. (mm) | | | BC | TPC | |
| 160030.75/24-**-XX | 0.75 | 24 | 0.21 | 1.20 | 0.24 | 1.90 | 24.7 | 25.4 | 8.7 |
| 160031/32-**-XX | 1 | 32 | 0.21 | 1.35 | 0.24 | 2.10 | 18.5 | 19.1 | 11.1 |
| 160031.5/30-**-XX | 1.5 | 30 | 0.26 | 1.70 | 0.24 | 2.40 | 12.7 | 13 | 15.5 |
| 160032/28-**-XX | 2 | 28 | 0.31 | 2.00 | 0.28 | 2.80 | 9.42 | 9.69 | 21.6 |
| 160032.5/50-**-XX | 2.5 | 50 | 0.26 | 2.20 | 0.28 | 3.00 | 7.6 | 7.82 | 26.2 |
| 160033/44-**-XX | 3 | 44 | 0.31 | 2.40 | 0.32 | 3.40 | 6.15 | 6.36 | 32.2 |
| 160034/56-**-XX | 4 | 56 | 0.31 | 2.75 | 0.32 | 3.70 | 4.71 | 4.85 | 41.4 |

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