

## SPECIFICATIONS OF POLYAMIDE FLEXIBLE CONDUIT

### STANDARD RANGE

#### Material

Nylon PA6 (Polyamide)  
Free of Halogen

#### Flammability

UL 94 HB

#### Temperature

-40°C to +120°C  
Short term up to +150°C

#### Protection

IP68

#### Fire Behavior

FMVSS 302

#### Color

Black  
Grey

#### Properties

Good flexibility  
Twist resistance  
Can bear heavy loads  
Acid resistant  
Lubricant resistant  
Abrasion resistant

#### Application

Mechanical engineering  
Railway applications  
Vehicle construction  
Moving applications



DETAILED DATA OF FLEXIBLE CONDUIT

Polyamide Flexible Corrugated Conduit

| SPECIFICATION<br>(AD-mm) | INNER<br>DIAMETER<br>(mm) | OUTER<br>DIAMETER<br>(mm) | PART REF. | CURVED<br>RADIUS<br>(mm) | STD.<br>PACKAGING<br>(Meters/Roll) |
|--------------------------|---------------------------|---------------------------|-----------|--------------------------|------------------------------------|
| AD-8.0                   | 4.3                       | 7.3                       | MFS-8.0   | 8                        | 200/100                            |
| AD-10.0                  | 6.7                       | 10.0                      | MFS-10.0  | 13                       | 200/100                            |
| AD-11.7                  | 8.4                       | 11.7                      | MFS-11.7  | 16                       | 200/100                            |
| AD-13.0                  | 10.0                      | 13.0                      | MFS-13.0  | 20                       | 100/50                             |
| AD-15.8                  | 12.7                      | 15.8                      | MFS-15.8  | 30                       | 100/50                             |
| AD-18.5                  | 14.3                      | 18.5                      | MFS-18.5  | 40                       | 100/50                             |
| AD-21.2                  | 16.8                      | 21.2                      | MFS-21.2  | 45                       | 100/50                             |
| AD-26.0                  | 21.3                      | 25.4                      | MFS-26.0  | 45                       | 100/50                             |
| AD-28.5                  | 23.2                      | 28.5                      | MFS-28.5  | 50                       | 100/50                             |
| AD-31.2                  | 25.8                      | 31.2                      | MFS-31.2  | 60                       | 100                                |
| AD-34.5                  | 29.0                      | 34.5                      | MFS-34.5  | 60                       | 50                                 |
| AD-42.5                  | 36.0                      | 42.5                      | MFS-42.5  | 70                       | 25                                 |
| AD-54.5                  | 48.1                      | 54.5                      | MFS-54.5  | 90                       | 25                                 |

| NW-DIM | ID/mm  | OD/mm  |
|--------|--------|--------|
| 4.5-13 | +/-0.3 | +/-0.3 |
| 17-29  | +/-0.4 | +/-0.4 |
| 37-50  | +/-0.5 | +/-0.5 |

