

DuraOpto DB 20/16 mm

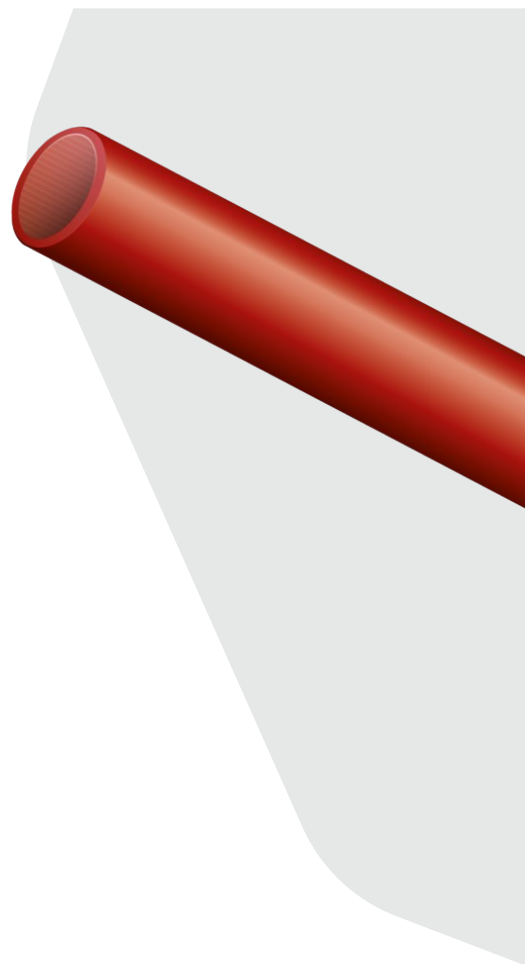
Our DuraOpto ducts are made from top quality virgin High Density Polyethylene (HDPE) materials. Available in either smooth or ribbed inner surface with optional lubricated inner lining that provides low inner friction maximizing cable blowing distances. DuraOpto is offered in two variations, one designed for creating a new direct buried pathway, the other specifically for placing as a subduct in an existing line. DuraOpto DB (Direct Buried) can withstand impact and are suitable to be directly buried. DuraOpto DI (Direct Install) is designed to be installed by pulling, blowing or pushing in existing duct systems.

- Made from High Density Polyethylene (HDPE)
- Available in smooth or ribbed inner surface
- Optional lubricated inner lining providing low inner friction (<0.1) for maximum cable blowing length
- Pressure rating of 15 bar
- Size range: 20 mm – 50 mm Outer Diameter
- Standard color is black, with stripe colors for identification
- Can be packaged in segmented drums or with up to 5 DuraOpto on one drum
- Single use or returnable drums available

COLORS



Other colour and stripe options available. Please note, for certain color options actual color may vary from RAL color code due to material variations



DETAILS

- Footage/Meter Markings
- Direct Install (DI)
- Direct Buried (DB)

OPTIONS

- Silicore®
- Color Stripes
- Pre-installed Cable
- Pre-installed Rope

TECHNICAL SPECIFICATIONS

Product Description	DuraOpto DB 20/16 mm
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PHYSICAL PROPERTIES

Bend Radius	200 mm
Weight (g/m)	107
Avg OD (D)	20.15 mm
Wall Thickness (A)	2 mm

GENERAL PRODUCT INFORMATION

Storage Temperature	-40 to 70°C
InstallationTemperature	-10 to 50°C
Use Temperature	-40 to 70°C
Interior wall	Smooth,Ribbed
Pre-Lubrication Class	Sillicore
UV Stability	Up to 2 years
Ribs	48

PERFORMANCE PROPERTIES

Burst pressure (bar)	40
Tensile Strength at Yield - Test Method: ČSN EN 527	1900 N
Maximum Pulling Force - Test Method: ČSN EN 527	1500 N
Elongation at yield on material - Test Method: ČSN EN 527	4 %
Resistance to Hydraulic Pressure	4 MPa (Hoop Stress, 170 hours, 80°C)
Resistance to Hydraulic Time (Hours) - Test Method: ČSN EN ISO 1167, DIN 8075	170
Resistance to Hydraulic Temperature - Test Method: ČSN EN ISO 1167, DIN 8075	80 °C
Crush IEC (kPa)	2800
Crush IEC - Test Method: IEC 60794-1-21 method E3A	2800 N
ESCR (Hours) - Test Method: ASTM 1693 metoda B	If Tipelin 6301 B - 150 hours If Liten BB 54-030 - 1000 hours
Burst pressure Test Method	ČSN EN ISO 1402
Impact Resistance	134 J J
Impact Resistance Test Method	ČSN EN 61386 - 24
Resistance to Hydraulic Pressure Test Method	ČSN EN ISO 1167, DIN 8075
Thermal expansion	3% thermal shrinkage K-1
Thermal Expansion Test Method	ČSN EN ISO 2505
Longitudinal reversion - Test Method: EN ISO 2505	max. 3% - doubled item %

PACKAGING	
Weight of Duct	107 kg/km
Total Weight (Duct + Drum)	830 kg/km
Duct Ovality on Drum (After 1 Hour) - Test Method: ČSN EN 12201 – 2 + A1, ČSN EN ISO 3126	5 %
Length on Drum	5000 m
Drum Dimensions	1900x900x1120 mm cm
Ovality Test Method	ČSN EN 12201 – 2 + A1, ČSN EN ISO 3126
Print Marking	ČSN EN IEC 60794-1-21