

# UNILON<sup>®</sup>

SYMBOL OF HIGH QUALITY PIPE

PARTNER OF:



Quality  
ISO 9001  
SAI GLOBAL  
Lic.: QEC21530  
ISO 9001:2008

Classification	OD (mm)	Wall Thickness (mm)	Length (m)
TYPE I	34	2,0	4 - 6
	68	4,0	4 - 6
	111	5,5	4 - 6
TYPE II	108	4,0	4 - 6
TYPE III	33	1,5	4 - 6
	63	1,5	4 - 6
	104	2,0	4 - 6

## HDPE PIPES for FIBER OPTIC CABLE

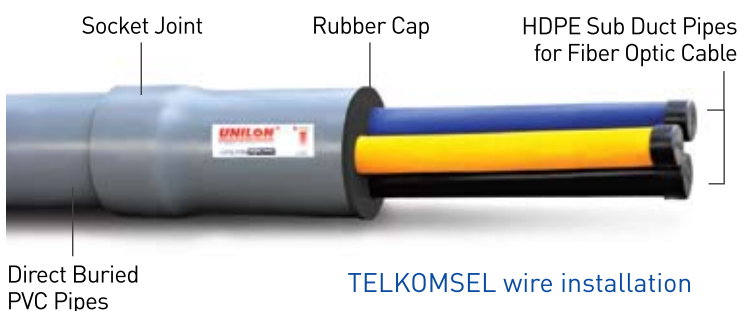
### SINGLE SUB DUCT:

Classification	Nominal Outer Diameter (mm)	Wall Thickness (mm)	Specification
SDT. I B	32,0 ± 0,3	2,0 ± 0,25	STEL-L-039-2008 Ver 2.2
SDT. I A	32,0 ± 0,3	2,5 ± 0,25	STEL-L-039-2008 Ver 2.2
SDT. II	40,0 ± 0,3	3,0 ± 0,25	STEL-L-039-1997 Ver 2.1

### DIRECT BURIED:

Classification	Nominal Outer Diameter (mm)	Wall Thickness (mm)	Specification
DTL. I	32,0 ± 0,3	3,0 ± 0,25	STEL-L-038-1997 Ver 1.0
DTL. II	40,0 ± 0,3	3,5 ± 0,25	STEL-L-039-2008 Ver 2.2
DTL. III	50,0 ± 0,3	4,0 ± 0,25	STEL-L-039-2008 Ver 2.2

## CUSTOM WIRE INSTALLATION



# CERTIFICATIONS

# MANAGEMENT AND QUALITY ASSURANCE CERTIFICATES



Quality Management System, ISO 9001:2008, SAI GLOBAL



CIQS 2000 : 2002



HDPE Pipe for Fiber Optic Cables, Diameter 40/34 mm



HDPE Pipe for Fiber Optic Cables, Diameter 50/42 mm



HDPE Pipe for Fiber Optic Cables, Diameter 32/27 mm



HDPE Pipe for Fiber Optic Cables, Diameter 32/28 mm



HDPE Pipe for Fiber Optic Cables, Diameter 40/33 mm



PVC Pipe for Duct Cable, OD : 111 mm



PVC Pipe for Duct Cable, OD : 1108 mm

**TELKOM** MS OAN, DRIVE & PENTANAHAN (2007)  
OSP, MS OAN, RMJ & PENTANAHAN (2008)  
MS OAN (2009)  
OSP DIVRE II, OSP DIVRE VI (2009)  
OSP PAKET 11, PAKET 4, PAKET 3, PAKET 9 (2009)  
OSP PAKET 2, PAKET 13, KALIMANTAN (2009)  
SUROMADU (2009)

**TELKOMSEL** JFOB & INNER CITY (2007)  
FOTS JAWA TENGAH & JAWA BARAT (2008)  
INNER CITY POTIANAK (2009)  
J.F.O.B. - 4 (2009)  
LINK SURABAYA - DRINGU (2009)  
FOTS MAGELANG (2009)  
FOTS MAKASAR (2009)  
BACK BONE SEMARANG - KUDUS (2009)

**INDOSAT** LINTAS ARTA (2007, 2008)  
BACKB(ONE, AKSES dan SKSO (2007)  
AKSES (2008)  
BACK BONE BANJARMASIN - SAMPIT (2009)  
BACK BONE CIKEMBANG - CIHAEUR (2009)  
AKSES JAWA BARAT (2009)  
KAL & SUL PROTECTION (2009)  
SKSO JEPARA - KUDUS (2009)

**EXCELCOMINDO** BACK BONE JAWA TENGAH (2008)  
BACK BONE SMG -JGJ, SMG - CEPU (2009)

**BAKRIE TELECOM** ESIA (2007, 2009)  
OSP BACK BONE (2009)

**LINTAS ARTA** AKSES JABODETABEK (2009)

**MURATEL** JAKARTA AREA (2008, 2009)

**SMART** JAKARTA METRO RING (2008)

**POWER TELECOM** JAKARTA AREA (2007)  
JAWA BACK BONE (2008)

**CBN** JAKARTA AREA (2008)

**HCPT** JAWA BACK BONE (2008)

**I FORTE** BACK BONE (2008)

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