

Telecommunication Pipe Supplies

UNILON®

SYMBOL OF HIGH QUALITY PIPE

SAI Global
Assurance Services



Quality
Endorsed
Company

Lic.: QEC21530
ISO 9001:2000



u PVC / HDPE

Partner of :



TELKOMSEL



DUCT uPVC PIPE

Standard No. STEL - L - 008 - 2001 Ver.2

| Classification | O.D. (mm) | Wall Thickness | Length (mtr) |
|----------------|--------------|-------------------|-------------------|
| TYPE I | 34 | 2.0 | 4 - 6 |
| | 68 | 4.0 | 4 - 6 |
| | 111 | 5.5 | 4 - 6 |
| TYPE II | 34 | 2.0 | 4 - 6 |
| | 64 | 2.0 | 4 - 6 |
| | 106 | 3.0 | 4 - 6 |
| TYPE III | 33 | 1.5 | 4 - 6 |
| | 63 | 1.5 | 4 - 6 |
| | 104 | 2.0 | 4 - 6 |
| TYPE K | 108 | 4.0 | 4 - 6 |

HDPE PIPES FOR FIBER OPTIC CABLE

SINGLE SUB DUCT

STEL-QA-L-039-1997/Ver.I

| Type of Sub Duct | Nominal Outer Diameter (mm) | Wall Thickness (e) (mm) |
|---------------------|--------------------------------|----------------------------|
| SDT. I | 32.0 ± 0.3 | 2.5 ± 0.25 |
| SDT. II | 40.0 ± 0.3 | 3.0 ± 0.25 |

DIRECT BURIED

STEL-QA-L-038-1997/Ver.I

| Type of Sub Duct | Nominal Outer Diameter (mm) | Wall Thickness (e) (mm) |
|---------------------|--------------------------------|----------------------------|
| DTL. I | 32.0 ± 0.3 | 3.0 ± 0.25 |
| DTL. II | 40.0 ± 0.3 | 3.5 ± 0.25 |
| DTL. III | 50.0 ± 0.3 | 4.0 ± 0.25 |

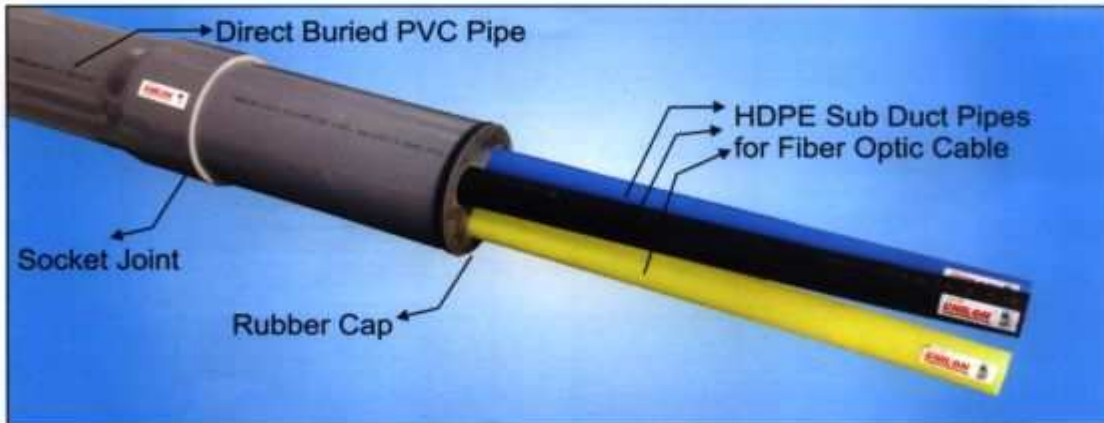
Quality Assurance Certificate dari Telkom Indonesia

The image shows five copies of Quality Assurance Test certificates from Telkom Indonesia. Each certificate is for a different pipe type and includes the following information:

- Header:** TELKOM INDONESIA logo and 'QUALITY ASSURANCE TEST' title.
- Test Details:**
 - Surat Keterangan ini diberikan untuk: (This certificate is issued for:)
 - BARAFAN WIDYATAMA PESTON, PT. (as a supplier of products/services)
 - UNILON (PT TELKOMINDONESIA INDONESIA)
 - Spesifikasi: PPA 008 DUCT BAHAN HDPE UNTUK KABEL SERAT OPTIK
 - Jenis / Model: 004, 40 mm TBAL 3.0 mm
 - Nomor Seri: 001/KAB/0300 (NO. 0140)
 - Penyedia: 001/KAB/0300 (UNILON)
- Signature:** Signed by TAUFIK HANAN, Head of Research and Development Center.
- Date:** 20 October 2004.

The certificates are arranged in a grid: two in the top row, one in the middle, and two in the bottom row.

| No. | Pipa Sub-Duct uPVC & HDPE untuk Kabel Fiber-Optic |
|-----|---|
| 1. | Pipa PVC Duct untuk Kabel, OD.108mm t. 4mm |
| 2. | Pipa PVC Duct untuk Kabel, OD.111mm t 5.5mm |
| 3. | Pipa HDPE Sub-Duct, OD.40mm t 3.5mm |
| 4. | Pipa HDPE, OD.40mm t 3mm |
| 5. | Pipa HDPE, OD.32/27mm |



Distributor: