

## A-DQ(ZN)2Y(SR)2Y

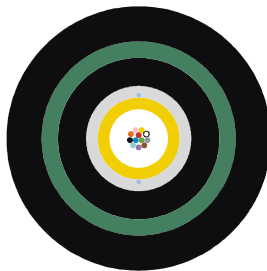
## UD1C1

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Outdoor cable with central loose tube, inner sheath and corrugated steel tape armouring



### Design



- Optical fibres inside a gel-filled central loose tube
- Water swellable elements
- Strain bearing elements
- Ripcord (optional)
- PE inner sheath
- Corrugated steel tape
- PE outer sheath

### Optical fibre options

Singlemode fibre: **ITU-T G.652.D, G.655, G.657**

Multimode fibre: **ITU-T G.651: OM2, OM3, OM4 | 62.5µm: OM1**

### Product description

- Cable for outdoor use in ducts and conduits or directly buried
- Up to 24 colour-coded optical fibres inside a gel-filled central loose tube
- Water swellable elements achieving longitudinal watertightness
- Glass yarns as strain bearing elements for excellent mechanical properties
- Optional ripcord for easy sheath removal
- Inner sheath made of polyethylene
- Corrugated steel tape armouring to protect the cable against rodents and lateral pressure when directly buried
- Outer sheath made of black polyethylene, UV- and weather-resistant

# A-DQ(ZN)2Y(SR)2Y

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## Characteristics

A-DQ(ZN)2Y(SR)2Y	
Fibre count	4, 6, 8, 12, 16, 24
Buffer tube diameter (mm)	3.5
Cable diameter (mm)	11.3
Outer sheath thickness (mm)	1.5
Weight (kg/km)	135
Maximum tensile strength	
- during installation (N)	1700
- in operation (N)	700
Crush resistance (N/dm)	2500
Minimum bending radius	
- with tensile load	15 x cable diameter
- without tensile load	10 x cable diameter
Temperature range	
- Storage, transport (°C)	- 30 to + 70
- Installation (°C)	- 5 to + 50
- Operation (°C)	- 20 to + 70
Fire load (MJ/m)	2.2
Compliance	IEC 60793 / 60794; ITU-T; VDE 0888
Maximum production length (m)	4000

All dimensions and weights are nominal values

## Cable marking

Per metre:

<Metre marking> A-DQ(ZN)2Y(SR)2Y 1x<fibre count> <fibre type acc. to ITU-T> RHENANIA <cable-ID>

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## Fibre colour code

|       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 RD  | 2 GN  | 3 BU  | 4 YE  | 5 WH  | 6 GY  | 7 BN  | 8 VT  | 9 TQ  | 10 BK | 11 OG | 12 PK |
| 13 RD | 14 GN | 15 BU | 16 YE | 17 WH | 18 GY | 19 BN | 20 VT | 21 TQ | 22 NT | 23 OG | 24 PK |

## Tube colour code

|                  |    |                          |    |                            |    |
|------------------|----|--------------------------|----|----------------------------|----|
| Singlemode fibre | YE | Multimode fibre<br>50 µm | GN | Multimode fibre<br>62.5 µm | BU |
|------------------|----|--------------------------|----|----------------------------|----|

Modification of properties, colour codes and cable marking on request