

# Fibre Optic Outdoor Cable

Microduct

HELUCOM®

A-DQ2Y, stranded



## Cable structure

Core type: Loose tube  
GRP support element  
Outer sheath material: PE  
Outer sheath colour: Black

## Temperature range

Laying, min.: -5°C  
Laying, max.: +50°C  
Operating, min.: -30°C  
Operating, max.: +70°C

## Other data

Corrosiveness acc. to EN50267-2-3  
Halogen-free acc. to 60754-2  
Longitudinally water-tight acc. to IEC 60794-1-2-F5  
UV-resistant

Designation	No. of fibres	Fibre type	Fibre category	Number of fibres per core	Outer Ø app. mm	Max. tensile force N	Min. stat. bending radius mm	Caloric load app. MJ / m	Max. transverse pressure N / cm	Weight kg / km	Part no.
A-DQ2Y stranded	4	Single-mode E9/125	ITU-T G.652d	4	5,8	500	120,0	0,87	50	27,0	<b>803931</b>
A-DQ2Y stranded	4	Single-mode E9/125	ITU-T G.657	4	5,8	500	120,0	0,87	50	27,0	<b>805664</b>
A-DQ2Y stranded	12	Single-mode E9/125	ITU-T G.652d	12	5,8	500	120,0	0,87	50	27,0	<b>803932</b>
A-DQ2Y stranded	12	Single-mode E9/125	ITU-T G.657	12	5,8	500	120,0	0,87	50	27,0	<b>805665</b>
A-DQ2Y stranded	24	Single-mode E9/125	ITU-T G.652d	12	5,8	500	120,0	0,87	50	27,0	<b>803930</b>
A-DQ2Y stranded	24	Single-mode E9/125	ITU-T G.657	12	5,8	500	120,0	0,87	50	27,0	<b>805666</b>
A-DQ2Y stranded	48	Single-mode E9/125	ITU-T G.652d	12	5,8	500	120,0	0,87	50	27,0	<b>803658</b>
A-DQ2Y stranded	48	Single-mode E9/125	ITU-T G.657	12	5,8	500	120,0	0,87	50	27,0	<b>805667</b>
A-DQ2Y stranded	72	Single-mode E9/125	ITU-T G.652d	12	5,8	500	120,0	0,87	50	27,0	<b>803659</b>
A-DQ2Y stranded	72	Single-mode E9/125	ITU-T G.657	12	5,8	500	120,0	0,87	50	27,0	<b>805668</b>
A-DQ2Y stranded	96	Single-mode E9/125	ITU-T G.652d	12	6,5	800	130,0	1,25	50	45,0	<b>803660</b>
A-DQ2Y stranded	96	Single-mode E9/125	ITU-T G.657	12	6,5	800	130,0	1,25	50	45,0	<b>805669</b>
A-DQ2Y stranded	144	Single-mode E9/125	ITU-T G.652d	12	8,0	1000	160,0	2,19	50	55,0	<b>803661</b>
A-DQ2Y stranded	144	Single-mode E9/125	ITU-T G.657	12	8,0	1000	160,0	2,19	50	55,0	<b>805670</b>
A-DQ2Y stranded	288	Single-mode E9/125	ITU-T G.652d	12	9,5	1200	200,0	2,97	60	90,0	<b>803668</b>
A-DQ2Y stranded	288	Single-mode E9/125	ITU-T G.657	12	9,5	1200	200,0	2,97	60	90,0	<b>805671</b>

Dimensions and specifications may be changed without prior notice.

## Application

These HELUCOM® micro fibre-optic cables are characterized by a design that is slim but robust. Around stranded tubes, there is a composite of swelling material with characteristics that ensure the strain relief, and waterproofing in longitudinal direction of the cable. Another feature of these cables is the low adhesion of the outer jacket. Therefore these cables can be blowing into microducts. A typical application is FTtx within communal infrastructure projects.