

# Flat Aerial Cable

ID: **Z194**

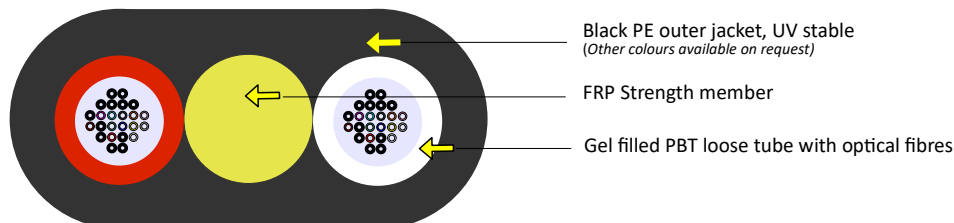


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## A-D(ZN)2YT 2×3,5 max. 48F

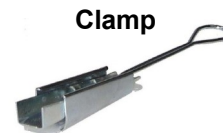
This cable is suitable for outdoor aerial use or direct burial to sand bed.



Black PE outer jacket, UV stable  
 (Other colours available on request)

FRP Strength member

Gel filled PBT loose tube with optical fibres



**ODWAC XL**

### Mechanical and Environmental properties

| Test                       | Value            | Unit       | Method            |
|----------------------------|------------------|------------|-------------------|
| Cable outer diameter       | 12,5±0,5×5,5±0,3 | mm         | EN60811-203       |
| Cable weight               | 75               | kg/km      |                   |
| Outer jacket thickness     | 1,0±0,2          | mm         |                   |
| Loose tube diameter        | 3,5              | mm         |                   |
| Max. tensile strength      | 2500             | N          | EN60794-1-21-E1   |
| Crush resistance test      | 2500             | N          | EN60794-1-21-E3   |
| Impact resistance test     | 25               | Nm         | EN60794-1-21-E4   |
| Min. bend radius (no load) | 200              | × OD       | EN60794-1-21-E11a |
| Min. bend radius (load)    | 250              | × OD       | EN60794-1-21-E11b |
| Moisture resistance test   | pass             |            | EN60794-1-22-F5   |
| Temperature range          | Installation     | -15 to +50 | °C                |
|                            | Operation        | -40 to +70 | °C                |
|                            | Storage          | -40 to +70 | °C                |

Cable lifetime - minimum 30 years

### Sheet Marking

|              |   |
|--------------|---|
| Print colour | White   |
| Print method | INK-Jet   |
| Print legend | Manufacturer's name, job number, type of cable, length marking @1 m intervals |

Other print legends available on request

### Fibre colour coding

According to IEC 60304

|   |        |    |           |    |         |    |            |
|---|--------|----|-----------|----|---------|----|------------|
| 1 | Red    | 7  | Brown     | 13 | Red*    | 19 | Brown*     |
| 2 | Green  | 8  | Violet    | 14 | Green*  | 20 | Violet*    |
| 3 | Blue   | 9  | Turquoise | 15 | Blue*   | 21 | Turquoise* |
| 4 | Yellow | 10 | Black     | 16 | Yellow* | 22 | Natural*   |
| 5 | White  | 11 | Orange    | 17 | White*  | 23 | Orange*    |
| 6 | Grey   | 12 | Pink      | 18 | Grey*   | 24 | Pink*      |

\*with black rings

Other fibre colour sequences available on request

### Tube colour coding

|   |       |
|---|-------|
| 1 | Red   |
| 2 | Natur |

Other tubes colour sequences available on request

### Padding

Depending on ordered put-up lengths

| SPAN (m) | INSTALATION |     | NESC LIGHT |          |          | NESC MEDIUM |          |          | NESC HEAVY |          |          |
|----------|-------------|-----|------------|----------|----------|-------------|----------|----------|------------|----------|----------|
|          |             |     | sag (m)    |          | load (N) | Sag (m)     |          | load (N) | sag (m)    |          | load (N) |
|          | sag (m)     | N   | horizontal | vertical |          | horizontal  | vertical |          | horizontal | vertical |          |
| 40       | 0,6         | 236 | 0,6        | 0,24     | 1204     | 0,53        | 1,06     | 1380     | 0,44       | 1,47     | 2068     |
| 60       | 0,9         | 354 | 1,08       | 0,4      | 1617     | 0,77        | 1,79     | 1847     | 0,73       | 2,50     | 2755     |
| 80       | 1,2         | 472 | 1,6        | 0,57     | 1999     | 1,11        | 2,59     | 2277     |            |          |          |
| 100      | 1,5         | 590 | 2,07       | 0,76     | 2350     | 1,48        | 3,44     | 2678     |            |          |          |

