

# Cable Diagnostic Configuration

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# Chapter 1 Cable Diagnostic Configuration

## 1.1 Enable the Ethernet interface cable diagnostic

To enable cable diagnostic under interface mode, use the following command.

Command	Purpose
cable-diagnostic { <b>period</b>   <cr>} (TX port)	Set the period of the port cable check. If it is 0, it will be checked only once.
<b>No</b> cable-diagnostic	Restore the default setting without checking the port cable.

**Note:**

The diagnostic results cannot guarantee the accuracy of the cables produced by all manufacturers. The test results are for reference only.

This command may affect the normal use of the interface's services in a short time. After the execution, you can view the test result with the **show interface** command:

Examples are as follows:

```
show interface g0/4
```

```
.....
```

```
Cable Ok (4 pairs)
```

```
    Pair A Ok, length < 1 metres
```

```
    Pair B Ok, length < 1 metres
```

```
    Pair C Ok, length < 1 metres
```

```
    Pair D Ok, length < 1 metres
```

```
.....
```

```
Cable status:
```

```
I OK: indicates that the wire pair ends normally.
```

```
I Open: indicates that the wire pair is open.
```

```
I Short: indicates that the wire pair is short circuited.
```

```
I Crosstalk (crosstalk): indicates that there is crosstalk between the wire pairs (interference with each other).
```

```
I Unknown: Other causes of failure.
```